Table 6
501/3331

CGAGTCATGACATTCTAGCTTTTGAATTGCGTGCACACACACACGCACGCACACACTCTGGTCAGAGTTTA
TTAAGGCTTTCGAGTCATGACATTATAGCTTTTGAGTTGGTGTGTGTGACACCACCCTCCTAAGTGGTGTG
TGCTTGTAATTTTTTTTTTTCAGTGAAAATGGATTGAAAACCTGTTGTTAATGCTTAGTGATATTATGCTCA
AAACAAGGAAATTCCCTTGAACCGTGTCAATTAAACTGGTTTATATGACTCAAGAAAACAATACCAGTAGA
TGATTATTAACTTTATTCTTGGCTCTTTTTAGGTCCATTTTGATTAAGTGACTTTTGGCTGGATCATTCAG
AGCTCTCTTCTAGCCTACCCTTGGATGAGTACAATTAATGAAATATCATATTTTCAACGGCACCTGGAGAG
TCCTTCCCTTGGGGCCTGGTCTTGAAGGGTGGGGGGGTTCGGGGAGTCCCTGCTCAAAGCGCCAGCTTTGT
TGGTCAGCTGGGACCACGACGGGCACTACACCCCACGTTGTGTTTGCAAAGGCCTGCTTGTCATTCGATCA
GAAGGGACCTCCCGCGCTTGGGTTCGCTCCACCACTCACACCTGGGCGTTGGCCACACTTTTCTCAAGTAT
GGGTTCTGCCACGCTGGGCCTGTGTTTCCGGGCAACGTGTGGCGCTATGACTTCGCACCGGCN

Table1 3166

NAGTTGCAGTCCTCTTCAAGCTGTTATCATAAGTACAGTAGTCAGCTACTTGGATATCAAGACTA
AGTGCTGATATGAAGACTTGCCTTTGTGTTTTGTTATGAAACACGCAAGCATAAAGCAGGACTCAAGCACA
AGGCTGACTGTTCTACTTTGAATAACAGCTTCCTTGCAGTCTCCTCCACATGGGTGGTACTGTGTTTAGAA
GGGATTACCAAAGGCTGGAGCGATTTAAGCTATGCACTAGCCTTGCCCTCTTAGGTTGCATTCTCTTTAGG
CCACTGGTTCTCAAACATTAGGGTGCACTGTAACCATTACAGAGCTTGTGAAAAGTGCAGAAACCTGAGCC
TCACCTTATGAGATTCTGATTCAGCCAGGGGGAGGACAGGAATCTGTATTTTTCATAGCAACCTCAAGTAA
TCTTTATTCTGAGGGTCTCGGGATTGCAGGTTGAAAAACACAACCTTAATCAGCAGTAAATTCTTCTCTAC
TCGGCCAGGCGCAGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGTGGGTGGATCACAAGGT
CAGGAGTTCGAGACCAGCCTGACCAACATGGTGAAACGCCATCTCTACTAAAAATACAAAAATTAGCCGGG
CGTGGTGGTGCTCACCTGTAATCCCAGCTACCCAGGAGGCTGAGGCAAGAGAATCACTTGAACCCGGGAGG
CAGAGGGTGCAGTAAGCCGAGATTGCACCACTGCACTCCAGCCTAGGCGACAGAGCGAGACTCTGTCNNNN
NNNNN

Table1 3168

NCGCCTGTGGGAGGCGCGTCCGGGTGGGCGGAACTCCTAGCGGACACCTCGTGGAGTCCGGCCGG
AAGAGCAACCGAGATGAAGGTGAAGATGCTGAGCCGGAATCCGGACAATTATGTCCGCGAAACCAAGTTGG
ACTTACAGAGAGTTCCAAGAAACTATGATCCTGCTTTACATCCTTTTGAGGTCCCACGAGAATATATAAGA
GCTTTAAATGCTACCAAACTGGAACGAGTATTTGCAAAACCATTCCTTGCTTCGCTGGATGGTCACCGTGA
TGGAGTCAATTGCTTGGCAAAGCATCCAGAGAAGCTGGCTACTGTCCTTTCTGGGGCGTGTGATGGAGAGG
TTAGAATTTGGAATCTAACTCAGCGGAATTGTATCCGTACAATACAAGCACATGAAGGCTTTGTACGAGGA
ATATGTACTCGCTTTTGTGGGACTTCTTTTTTCACTGTTGGTGATGACAAAACTGTGAAGCAGTGGAAAAT
GGATGGGCCAGGCTATGGAGACGAGGAAGAGCCATTACATACAATATTAGGAAAGACAGTGTATACTGGGA
TTGATCATCACTGGAAAGAAGCTGTTTTTGCCACATGTGGACAGCAAGTAGACATTTGGGATGAACAAAGA
ACTAATCCTATATGTTCAATGACCTGGGGATTTGACAGTATAAGTAGTGTTAAATTTAACCCAATTGAGAC
ATTTCTCTTGGGAAGTTGTGCATCTGACAGGAATATAGTACTGTACGATATGAGGCAAGCTACTCCTTTGA
AAAAGGTTATCTTAGATATGAGAACAAATACAATCTGTTGGAACCCTATGGAAGCTTTCATTTTTACAGCA
GCAAATGAAGATTATAACTTATATACTTTTGATATGCGTGCACTGGACACTCCTGTAATGGTCCATATGGA
TCATGTATCTGCAGTGCTTGATGTGGATTACTCTCCCACTGGGAAGGAGTTTGTGTCTGCTAGTTTCGATA
AATCTATTCGAATCTTTCCTGTAGACAAAAGTCGAAGCAGGGAGGTATATCATACAAAGAGAATGCAACAT
GTTATCTGTGTAAAATGGACTTCTGACAGCAAGTATATTATGTGTGGATCTGATGAAATGAACATTCGCCT
GTGGAAAGCTAATGCTTCTGAAAAATTGGGTGTGCTTACATCACGAGAAAAAGCAGCCAAGGATTATAACC
AGAAATTGAAGGAGAAATTTCAGCATTATCCTCATATAAAACGTATAGCTCGTCATCGACATCTACCAAAA
TCTATCTATAGCCAGATTCAGGAACAGCGCATCATGAAAGAAGCTCGTCGACGAAAGGAAGTGAATCGTAT
TAAACACAGCAAGCCTGGATCTGTGCCACTTGTGTCAGAGAAGAAGAAACACGTAGTGGCAGTTGTAAAAT
AATTGGTATTCCTAACAATCCTGATGTATAATTATTTGTTACTTTTGATTTGAGAACTCTACAAATAAAAG
TGCTGGGACTAGATTAATTGCAAACATTTTAGTTATATGTGTAGAGCTTTATTGTTACTCCTTTTAGCTAC
CCTGAAAAATGATCCTTAAAGGTGGCCTAGTTGGTAAGACTGTTTTTATCCTTAATCTGCATTCTTCTTTCA
TTGTAGAATACAGTATTTGCAACTCATTTTTTCTTGTTTTTATTACAGATATACTTACTTTCTCTTGATCT
ATATGGTGAACCTATACATTCAAATGAGCTTAGAACAAATCTCTAGTTACTTTAAAATTACTGAATAGATG
CGAGGTTTCGGGATCCCCTACATTACAAGGGGGATTTGACAGAATTTTAAGGCTAAAAAGGGGGGATAACA
AAAGGATAATTAAAAAAAGGGGGAATAAGNNNNNNNNNNNNNNN

Table1 3169

ACTCCAGGCCATGGGGAGTCCCTGAAGACTCGATGAACTGCAATGGCCATATCAGGAGGTTGCAG
GTTGACCAGAACTCACCGACACAGCAGGAGAGCAGCTTGGAACCTTCAACCCAGCCAGACCCAGTGCCTTG
GACTGGGGGAGAAAACATGCAGCCATTCCTCTCTCTCTCTGCTGGCTAGAGGGGATTCTGGCTTTTCCTGC
CAGAGCCACCCCTTTCCCTCCTCCTAAAGTTGATGGTGGTTCTTTAAGGAAAGGGAGAAGTGCACGGTGTG
ATAGGGCGGGAAGAGAAGAAAACGGAGGAGAAGAGGGGACTTTTCCCATAAGCAGGCAGAAGAAACGGCAG
CTGTGTTGTGTGATGGACATGGATGCAGCGGTGTCCAATGTGGGGTCAGCCCACTTAGTGAGCATTGTATC
CACTCAGGGGCCTCTGTGGGCATCCGTCTCCTCTGCAGCATCTTTCCTCCCCACAGCTGGGTCTGCACATG
ACCCCCTCCTTGGGTTAGGCCTCTGATCAGTGATGACCTATGCGTGCGGCCACTGTTGCAAGACGTTCAGC
TCAAGGAAAAAACGACACCAAGCACATGTTCATCCACTCGGGGGAGAAGCCGCACCAGTGCGCCGTGTGATG
GCGATCCTTCTCGCTGCGCTACTGCCGTTTCAAGCCCCCGCGTACCTCGGCCGCCAC

Table1 3170

cgCGCGCCGCTCTCGGTCGCGCGGAGTGATCGTGTGGAATCGCGGGTCGCGGACGCTCGCCGCCG

Table 6
502/3331

GCCATAGCTCAGCCTAGCGCCGCCAAGGCCGACGGCCCTCAGCCTCTGCCATGGACTTCGAGGACGATTAC
ACACACTCCGCCTGCAGGAATACTTATCAGGGCTTTAATGGAATGGATCGTGATTATGGCCCTGGATCTTA
TGGAGGGATGGATCGTGACTATGGCCATGGATCCTATGGGGGTCAGAGATCCATGGATTCCTACCTAAACC
AGTCATATGGCATGGACAATCACAGTGGTGGTGGTGGGGGTAGCAGGTTTGGACCTTATGAGTCTTACGAC
TCCAGGTCTTCTCTGGGTGGGCGAGATCTGTACAGATCTGGCTATGGTTTTAATGAACCCGAACAAAGCCG
CTTCGGAGGTAGTTATGGTGGTCGATTTGAGAGCTCCTACCGGAATAGCCTTGACTCTTTCGGAGGTAGAA
ACCAGGGCGGGTCTAGCTGGGAAGCACCTTACTCCCGTTCAAAATTGAGGCCTGGGTTTATGGAGGACAGA
GGAAGAGAGAATTACTCTTCCTACAGCAGTTTTTCTTCACCCCATATGAAGCCTGCACCTGTAGGCTCTCG
GGGGAGAGGAACGCCTGCTTATCCTGAAAGTACGTTTGGAAGCAGAAACTATGATGCTTTTGGAGGACCAT
CAACAGggcAGAGGCCGAGGCCGAGGACATATGGGTGattttgGAAGCATTCATAGACCCGGAATTGTTGT
TGACTATCAAAACAAATCCACCAATGTGACAGTTGCTGCTGCAAGAGGAATAAAGAGAAAAATGATGCAGC
CATTTAATAAGCCCAGTGGAACcctTTATCAAGAAACCCAAACTAGCAAAACCTATGGAGAAGATAAGCCT
CAGCAAATCACCCACAAAAACTGATCCTAAAAATGAAGAGGAAGAAAAGCGGCGAATTGAGGCTCGGCGAG
AGAAACAAAGGCGCAGAAGAGAAAAAAACAGTGAGAAATACGGAGATGGATACAGAATGGCATTTACATGT
TCATTTTGTAAATTTCGAACATTTGAAGAAAAAGATATTGAACTGCATCTGGAAAGTTCTTCACATCAGGA
AACATTAGATCATATACAGAAACAAACTAAATTTGATAAAGTAGTTATGGAGTTTTTGCATGAGTGTATGG
TGAATAAATTCAAGAAAACATCTATTCGTAAGCAACAGACAAATAATCAAACAGAAGTAGTTAAAATAATT
GAAAAAGATGTTATGGAAGGTGTTACTGTAGATGATCACATGATGAAGGTAGAGACAGTTCATTGCAGCGC
TTGCAGTGTTTATATCCCTGCTTTACATAGTTCAGTTCAGCAGCACTTAAAATCTCCTGATCATATCAAAG
GGAAGCAGGCTTATAAGGAACAAATAAAAAGAGAGAGTGTCTTGACTGCTACAAGCATTTTAAATAATCCA
ATAGTGAAGGCGCGATATGAACGTTTTGTTAAGGGTGAGAATCCTTTTGAAATTCAAGACCATTCTCAGGA
TCAGCAAATAGAAGGAGATaagcctcagcaaatcacccacaaaaatgatcctaaaaatgaagaggaagaaa
agcggcgaattgaggctcggcgagagaaaccaaaggcgcaaggaagagaaaaaaaccagtgagaaatacgg
agatggatacagaatggcatttaccatgttcatttttcgtacactttccgaacatttgaagaaaaagatat
tgaacttgcatctggaaagttcttcacatcaggaaacattagatcatatacagaaacaaactaaatttgat
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taagggcaaagacaaattattccaccagaaagtagttaaacataaattgacaacgatgggttggacgtgtt
ctgtggatgtcacttgtggaggttcagcagttatgaggttggcagtgttaatcctgttattattagtcagg
gctaaactctggacttcaaggaaccggttagaaataagaagggttgggtatttaatacagggcaaattgcg
ggaac

Table1 3174

NNNNNAAGCTTGGCACGAGGCCTCGTGCCAATTACAGATGTGAATGGCCACGCCTGGCCTGTTTC
CTTTAAGTTAGCACTTCACGTGCTCTTACAGCGTTAATTGCCATTATTGGTTTGCCTGATTTTCCTGCATC
TCCTCATATGTAAGTCTGCAGCCCAAGGAGAGAATAGTAGCTGTATGTGCCCACAAGGGGTGTCCAAGCTT
CTTGATTCTTGTTAATATCGACTCCCCAACATTGAAAAAGGAGTGAAGAAGGGAATATCATTTTAGGGTAC
TGCTTTAAAGGAATGATAAAGTAAACAACGTAGCAGGGAAAATACCACTTGCACAAATGTATTTCTTTGTC
AAAGTGTGTACACGCTTTCTGTTTGTCCTGATGTCCTGCTGTGAAGCAGGGACCACATTGCCATTTATTCA
TTGTTCCAGGCAATGCATTTGTCCAAACCCCTCTGGCTCTCTGATATCTCTCATTTCTTGATGTTCCTATT
CTCTGACCTCAACAAGGAGGACACTGTCTGTTGTGTCTCTTTGAGACTAGAACTCCATGTGTTTAACCTTC
AGATCCATTCTCTACATGAACCCTATTCTTTCCACCCTGGTAAGAAGGTCTGGAAGACAGGTCCTAACGAG
GGGTCAGAGAAGGCACAGAGAAATGAACCAGCCATGCAGGGGCAGCACTGAGGAGGAAACCCCCCACTCTA
ACTGGGAGGAGAGTGGAAACACTCTTAGTATCTCAGAGTAGTTACCAATCTAAGAGCATCCTTCGAGTTTA
AGTCAAAACTCTAGGCTTAATACCAAAAATAATACATCATTTGGAAAAATAGCTTGGAGAAAAAAAATCAA
TAAAGAGTCACATAAAATCTTAAGAAAATGGTTCTATTCTGTGATATATTACTAAGAAATACAGTTCTTAA
ACGTGTATAACTATTGTCAGACAATTTATAGGTGTTTCATCTAGTCCTGGGATGAAATACGATGACTCATG
CAAATTCAGGGAGCACACTGGCTGACTTTAAATTGGAACATTGTAAAGTGAAAGCTGTGAAAGGTTGTGTG
TCCTATCAATGAGATTTATTTTCTAACCAAGAGCTGTTCGGATGATTCAGTATAAATACGAAAATCACATC
CAAAAACGGTATAACCCAGCTTCCTTAAGGCAATTTTCTTCTCTGAAACAAGAATATACTCATATGTTCTT
TACTATAATGTATATGATTTTTATCTTGTACTTTAAAAGATGATAATTATGCATTGTATATACGATTGTGT
GCCTTGCAATAAAATCAAAACTGTACCTGCTGAAAATCACAACAGNNNNNNNNNNNNNNNNNN

Table1 3175

NNNNGGTGGCCAACTTTCCNCCCTCCTCAATTTTCCAAANTAATAAGGCAACAAACCTCCCCTTT
CCTAAGAATAATGAACTTTGGCCCAAGATGACTCACCCTGAATGCCCACCCTAAAGGGCATTGCCCTGGCC
CCGGTACATTTCCTCCTGGCTCCCAGCCTTGGCTAAGTTGATGACCTGACGTCGATCTCCACATTCATCTA
CATGAACGTGGGGGCGTTGGTTTTGGCGGCCAGGCTGTAAAATGTAGGGCTTGTCTCAGTTTGCTATTTAA
TCAACATGTGGACATTTTAGCAGAGAAACCCCAGAGCAAATAGGAATGAGAAGCTACCTGATTAAAATGAT
GAAATGATAGAGAATGTTTTTTGGCTGGGACATTTTAACCAAAGTTGCACAACTGATGCTGATTGCCTTCC
TTGTAGTTTAGTAGAATTTGTCATTTGTTTAGCTCCTTTTCGTTCCAGTGAAAATAGATAAGCTTTACTGA
GTGGCTTACTTTGAGGTGTGGACTCCTTTGTAAGTAGCTATAGGGTCTCTTCTTGAACACTGACCAAAGAA
TCCACCTTTAATCCTATTCAGTTAAGTTGAAGCCCCTCTAAAAAATTTTGTTGTNNNNNNNNNNNNNNNNN
N

Table1 3177

NNNNNAAGCTTGGCACGAGGCCTCGTGCCAATTACAGATGTGAATGGCCACGCCTGGCCTGTTTC
CTTTAAGTTAGCACTTCACGTGCTCTTACAGCGTTAATTGCCATTATTGGTTTGCCTGATTTTCCTGCATC

Table 6
503/3331

TCCTCATATGTAAGTCTGCAGCCCAAGGAGAGAATAGTAGCTGTATGTGCCCACAAGGGGTGTCCAAGCTT
CTTGATTCTTGTTAATATCGACTCCCCAACATTGAAAAAGGAGTGAAGAAGGGAATATCATTTTAGGGTAC
TGCTTTAAAGGAATGATAAAGTAAACAACGTAGCAGGGAAAATACCACTTGCACAAATGTATTTCTTTGTC
AAAGTGTGTACACGCTTTCTGTTTGTCCTGATGTCCTGCTGTGAAGCAGGGACCACATTGCCATTTATTCA
TTGTTCCAGGCAATGCATTTGTCCAAACCCCTCTGGCTCTCTGATATCTCTCATTTCTTGATGTTCCTATT
CTCTGACCTCAACAAGGAGGACACTGTCTGTTGTGTCTCTTTGAGACTAGAACTCCATGTGTTTAACCTTC
AGATCCATTCTCTACATGAACCCTATTCTTTCCACCCTGGTAAGAAGGTCTGGAAGACAGGTCCTAACGAG
GGGTCAGAGAAGGCACAGAGAAATGAACCAGCCATGCAGGGGCAGCACTGAGGAGGAAACCCCCCACTCTA
ACTGGGAGGAGAGTGGAAACACTCTTAGTATCTCAGAGTAGTTACCAATCTAAGAGCATCCTTCGAGTTTA
AGTCAAAACTCTAGGCTTAATACCAAAAATAATACATCATTTGGAAAAATAGCTTGGAGAAAAAAAATCAA
TAAAGAGTCACATAAAATCTTAAGAAAATGGTTCTATTCTGTGATATATTACTAAGAAATACAGTTCTTAA
ACGTGTATAACTATTGTCAGACAATTTATAGGTGTTTCATCTAGTCCTGGGATGAAATACGATGACTCATG
CAAATTCAGGGAGCACACTGGCTGACTTTAAATTGGAACATTGTAAAGTGAAAGCTGTGAAAGGTTGTGTG
TCCTATCAATGAGATTTATTTTCTAACCAAGAGCTGTTCGGATGATTCAGTATAAATACGAAAATCACATC
CAAAAACGGTATAACCCAGCTTCCTTAAGGCAATTTTCTTCTCTGAAACAAGAATATACTCATATGTTCTT
TACTATAATGTATATGATTTTTATCTTGTACTTTAAAAGATGATAATTATGCATTGTATATACGATTGTGT
GCCTTGCAATAAAATCAAAACTGTACCTGCTGAAAATCACAACAGNNNNNNNNNNNNNNNNNN
Table1 3178
GAGCATGAGAAGCCCACACTGATGGAAGAAGAGGAGAGAGGCAACTTTGAGAAAGCCGAGGTGGA
GGGTGAAGCTCAGGAAATCGAGTGGCTCCCATTCCGCTGCATCAAATGCTTCAAGCTGTCCTTTAGCACTG
CAGAGCTGCTGTGCATGCATTACACTGACCACCACAGTCGGGACCTAAAGAGGGACTTCATCATTCTGGGC
AACGGCCCCCGCTTGCAGAACTCCACCTACCAGTGTAAGCACTGTGATAGCAAACTGCAAAGCACAGCCGA
GCTGACCTCACACTTGAACATTCACAATGAGGAATTCCAGAAGCGTGCCAAACGTCAGGAGAGGAGGAAAC
AGCTTTTGAGCAAGCAGAAATATGCAGATGGTGCTTTTGCAGATTTCAAACAAGAGAGGCCTTTTGGTCAC
TTAGAAGAGGTGCCAAAGATCAAGGAGAGGAAAGTGGTGGGCTACAAATGTAAATTCTGTGTGGAAGTGCA
CCCAACGCTCCGAGCCATCTGCAATCACCTCCGAAAGCACGTCCAGTATGGCAATGTCCCAGCTGTGTCAG
CGTGCTGTGAAGGAGGCGGATGACCCTGCCCACTTGTTCCTGGATGGATTGGAAGCAGCCAAAGACGCCAG
TGGCGCCCTGGTGGGCCGGGTGGATGGTGAACACTGCTTGCTTGATGGAATGTTGGAGGATGAAACCCGGC
CGGGGGGATACCATTGCAGTCAATGTGACAGAGTCCTGATGTCCATGCAGGGGCTGCGTTCTCATGAGAGG
AGCCACCTGGCCCTGGCCATGTTTACCCGCGAGGACAAGTACAGCTGCCAGTATTGCTCGTTTGTTTCTGC
TTTCAGGCACAATTGGATCGCCATATGCAAACCCACCACGGACACCATAAACCATTCCGATGCAAACTCTG
CTCCTTCAAGTCCTCCTATAACAGCCGGCTGAAAACACATATACTCAAAGCTCATGCTGGTGAGCATGCCT
ACAAGTGTTCTTGGTGCTCATTCTCCACCATGACAATCAGCCAGCTGAAGGAACACTCCCTCAAGGTCCAC
GGAAAAGCCCTGACCCTCCCCCAGGCCACGGATCGTCAGTCTCCTCTCCTCACACTCACACCATCCTCCCA
GAAAGCTACCCCGGCTGAAGAAGTGGAAAGAGTCCAATGACTCATCATATGCAGAGCCCCGAATGGTCAGC
CAGCAGTTGAACCACATCAGTGAGGTGCCCTGGCAAGGAACAACAGCCGGGTATGCCTGGGCTCATCGGGG
CGCTGCGGACGCAGCGAAACTGAGCGGGAATGGAAAGGGAGAACCCGGGGAGCCAAACAGGGCAAACGGCA
CGAGGGGCGGACACACAGGCACAN
Table1 3179
NNNNAGGCAGCAACAGTGCTGATGCTGGACTGTGGCAGGCAGAGGGTGCTATCCTGACACACTTC
ACCTTAGTGCAGGAAACTTCAATTTGGTGGAAGAAAGGCGATTTCGAGGTTCCAATCTGGGCGACACTTCC
CAGTTGGAGAGTCAGCAAAAGGGAGAGGGCAATTCCAAGAAGAGGGAAAAGCTTGTGCACAGTGTACCTCC
TTTATTCCTGAAGCCCGGGCAGTGCTTGACCTGGTCGACCAGTGCCCAAAACAGATCCAGAAAGGAAAGTT
CCAGGTTGTTGCCATCGAAGGACTGGATGCCACGGGTAAAACCACGGTGACCCAGTCAGTGGCAGATTCAC
TTAAGGCTGTCCTCTTAAAGTCACCACCCTCTTGCATTGGCCAGTGGAGGAAGATCTTTGATGATGAACCA
ACTATCATTAGAAGAGCTTTTTACTCTTTGGGCAATTATATTGTGGCCTCCGAAATAGCTAAAGAATCTGC
CAAATCTCCTGTGATTGTAGACAGGTACTGGCACAGCACGGCCACCTATGCCATAGCCACTGAGGTGAGTG
GGGGTCTCCAGCACCTGCCCCCAGCCCATCACCCTGTGTACCAGTGGCCAGAGGACCTGCTCAAACCTGAC
CTTATCCTGCTGCTCACTGTGAGTCCTGAGGAGAGGTTGCAGAGGCTGCAGGGCCGGGGCATGGAGAAGAC
CAGGGAAGAAGCAGAACTTGAGGCCAACAGTGTGTTTCGTCAAAAGGTAGAAATGTCCTACCAGCGGATGG
AGAATCCTGGCTGCCATGTGGTTGATGCCAGCCCCTCCAGAGAAAAGGTCCTGCAGACGGTATTAAGCCTA
ATCCAGAATAGTTTTAGTGAACCGTAGTTACTCTGGCCAGGTGCCACGTCTAACTAGATTAGATGTTGTTT
GAAACATCTACATCCACCATTTGTTATGCAGTGTTCCCAAATTTCTGTTCTACAAGCATGTTGTGTGGCAG
AAAACTGGAGACCAGGCATCTTAATTTTACTTCAGCCATCGTACCCTCTTCTGACTGATGGACCCGTCATC
ACAAAGGTCCCTCTCATCATGTTCCAGTGAGAGGCCAGCGATTGCTTTCTTCCTGGCATAGTAAACATTTT
CTTGGAACATATGTTTCACTTAATCACTACCAAATATCTGGAAGACCTGTCTTACTCAGACAGCACCAGGT
GTACAGAAGCAGCAGACAAGATCTTCCAGATCAGCAGGGAGACCCCGGAGCCTCTGCTTCTCCTACACTGG
CATGCTGATGAGATCGTGACATGCCCACATTGGCTTCTTCCACATCTGGTTGCACTCGTCATGATGGGCTC
GCTGCATCTCCCTCAGTCCCAAATTCTAGAGCCAAGTGTTCCTGCAGAGGCTGTCTATGTGTCCTGGCTGC
CCAAGGACACTCCTGCAGAGCCATTTTTGGGTAAGGAACACTTACAAAGAAGGCATTGATCTTGTGTCTGA
GGCTCAGAGCCCTTTTGATAGGCTTCTGAGTCATATATATAAAGACATTCAAGCCAAGATGCTCCAACTGCAA
ATATACCAACTTCTCTGAATTATATTTGCTTATTTATATTTCTTTTCTTTTTTCTAAAGTATGGCTCTGAA
TAGAATGCACATTTTCCATTGAACTGGATGCATTTCATTTAGCCAATCCAGTAATTTATTTATATTAATCT
ATACATAATATGTTTCCTCAGCATAGGAGCTATGATTCATTAATTAAAAGTGGAGTCAAAAGCTAAATGCA

Table 6
504/3331

ATGTGTGTGTATTTTCATTACACAAATTAATTGTCTTGTTAAATAAGTACAGGGATCTTGGAGTGGGATTT
CTTGGGTAAATTATCTTGCACTTGAATGTCTCCTGATTACATATGAAATCGCTTGACATATCTTTGGACAG
AAAAAAGTAGTGAGTGAGGGGGAAAATTATAGAGGCTGTGTGACTTTAGGGAGTAGGTTGAACCAGGTGAT
TACCTAAAATTCTTTCAGGTTCAAAGGCAGATAAATCTGTAGTTATTTTATCCTATTCTACAATCTTAGGA
GGACTTCTCCAAACTAATTAAATCAGGGTATACGGCTGCGTATGAAACTAATTCACAAGCTCCGTATGCGC
GGTTACAAAGGCTGGAGTCGGGAATGGGTTAACGGGCGGCGCGACAACAAGCGCACAACAGCTGGGGGGAT
CANN
Table1 3183
gctcgagcggtctccagcgtgattggtctcttcagagcgcgcgctctagcgtggtcgcGGCcgat
gtACTGAGGCTGTATACAGCCACAGCCTCTCCCCATCCCTCCAGCCTTATCTGTCATCACCATCAACCCCT
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AGAAGCTCTTCCTTGTCTCTTAAATCTAGAATGATGTAAAGTTTTGAATAAGTTGACTATCTTACTTCATG
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ATGTGAAGCAAAGGCAGGGAACCCCATAGTATCTTATATAATATACTTCATTTCTCTATCTCTATCACAAT
ATCCAACAAGCTTTTCACAGAATTCATGCAGTGCAAATCCCCAAAGGTAACCTTTATCCATTTCATGGTGA
GTGCGCTTTAGAATTTTGGCAAATCATACTGGTCACTTATCTCAACTTTGAGATGTGTTTGTCCTTGTAGT
TAATTGAAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTTCACTCCTGGCAATAAAGAATTTACAAAG
AGCTACTCAGGACCAGTTGTTAAGAGCTCTGTGTGTGTGTGTGTGAGTGAGTGT
Table1 3186
GCGTCCGCTCGAGCTCATGCATGTGAAACGTGTGCTTTGCGAAGGTGGCTATAACTTCAAAACTG
TGCTCATGTTTGAAGTTCTAGCCACTCTAGCTCATGCATGTTGGACGTGTTCTTTACGAAGGTGGCAACTG
ACATACTTGGTCTCTTCATGCCACCAGCCTACTACAAAGTTCTCGTTCATTGGCAACAGCAGAACCTGCCT
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GTCAGTACAGGTTATCCCGAAAGGTACAAGGACGCACTTGTAAAGATGATTAAAACGTATCTTTCCTTTAT
GTGACGCGTCTCTAGTGCCTTACTGAAGAAGCAGTGACACTCCCGTCGCTCGGTGAGGACGTTCCCGGACA
GTGCCTCACTCACCTGGGACTGGTATCCCCTCCCAGGGTCCACCAAGGGCTCCTGCTTTTCAGACACCCCA
TCATCCTCGCGCGTCCTCACCCTGTCTCTACCAGGGAGGTGCCTAGCTTGGTGAGGTTACTCCTGCTCCTC
CAACCTTTTTTTGCCAAGGTTTGTACACGACTCCCATCTAGGCTGAAAACCTAGAAGTGGACCTTGTGTGT
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GTTGCTTCATGGTATGGTCTGGATTTGTGGGAATGGCTTTGCGTGAGAAAGGGGAGGAGAGTGGTTGCTGC
CCTCAGCCGGCTTGAGGACAGAGCCTGTCCCTCTCATGACAACTCAGTGTTGAAGCCCAGTGTCCTCAGCT
TCATGTCCAGTGGATGGCAGAAGTTCATGGGGTAGTGGCCTCTCAAAGGCTGGGCGCATCCCAAGACAGCC
AGCAGGTTGTCTCTGGAAACGACCAGAGTTAAGCTCTCGGCTTCTCTGCTGAGGGTGCACCCTTTCCTCTA
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GTTAGATGGGGGTTCTCAGAAGTGGCTGATTGGAAGGGGACAAGCTTCGTTTCAGGGGTCTGCCGTTCCAT
CCTGGTTCAGAGAAGGCCGAGCGTGGCTTTCTCTAGCCTTGTCACTGTCTCCCTGCCTGTCAATCACCACC
TTTCCTCCAGAGGAGGAAAATTATCTCCCCTGCAAAGCCCGGTTCTACACAGATTTCACAAATTGTGCTAA
GAACCGTCCGTGTTCTCAGAAAGCCCAGTGTTTTTGCAAAGAATGAAAAGGGACCCCATATGTAGCAAAAA
TCAGGGCTGGGGGGAGAGCCGGGTTCATTCCCTGTCCTCATTGGTCGTCCCTATGAATTGTACGTTTCAGAG
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GTCGTTGTTGTTGTTTTTCTGGAAACTGCTTGAAATCTTGCTGTACTATAGAGCTCAGAAGGACACAGCCC
GTCCTCCCCTGCCTGCCTGATTCCATGGCTGTTGTGCTGATTCCAATGCTTTCACGTTGGTTCCTGGCGTG
GGAACTGCTCTCCTTTGCAGCCCCATTTCCCAAGCTCTGTTCAAGTTAAACTTATGTAAGCTTTCCGTGGC
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TAAATTTTACAATTCTTTGGAAAAAAAAAAAAAATAAAAAGGGCGGGTCGCTTCTCAGAGTCTTCGGTTTG
GTCTCAACAATTTTCTAGACCCTCCNNNNNN
Table1 3188
CTACTATAGGGCGAATTGGAGCTCACCGCGGTGGCGGCCGAGGTACGCGGGGGTGGCGCATTCTC
AGTGAGGAGGGCCGCCCTGCATCCGTCGCCGGCCCCGGTCTCCAGGGGCCTCACCCGAGTCATGCCCCGCT
ATTGCGCAGCGATTTGTTGTAAGAACCGCCGGGGACGAAACAATAAAGACCGGAAGCTGAGTTTTTATTCC
GGAAAGGACCCTTCTAAAAAAAAAATCCCAGAAGAAAAACTTGGAAGATGAGAAAGAAGTATGCCCAAAAG
CCAAGTCAGAAGAATCATTTGTATTAAATGAGACAAAGAAAAATATAGTTAACACAGATGTGCCCCATCAA
CATCCAGAATTACTTCATTCATCTTCCTTGGTAAAGCCACCAGCTCCCAAAACAGGAAGTATACAAAATAA
CATGTTAACTCTTAATCTAGTTAAACAACATACTGGGAAACCAGAATCTACCNN
Table1 3192
ACCCTGCACACACTAGGTTCTCAAGAAATATTCATGTAATAAGTGAATAATTGAATGAATGAATG
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CTTGGTGGATTCCCACCACACTCAGAATTCCTTTTCACCTTTCCATGCATATGAGGCCCCACCTAATCAGG
TGCTGGTCTTCTTAGCTTTCTGTCTCCTACCACTTTTTGTCTTGCTTCGGGAACTCCACTGTCTTTTCTGT
TATAGGAACATGCTAAGGTTATTCTTCATAGTCAAGAGCACAAGCTCTGAACCCAGCCAAATCTGTTTTTG
AACTCAAGTTCCACTTATTGCTAGCTGTGTGATATTGGGAAATTCTTTATGTTCTGTAACCCTCACCTCCC
TCATGTGTAAAATGGAAGTAATGATGGTACCTGTCTCATATGTGGCAACTACGTGGGGCAGCACACTCAAG

Table 6
505/3331

GAATGAAGGAAGTTTCAGTGAATGACAACTTTATAAAGACAGTGTTGAGGCAGCCCAGTGCAGCGGTTTGG
GAGCCAGGAACAGCGTGTGGGCCGGAGTGTGGCTGCAGGACAGGAGGTCAAAAATAAGGGTTGAGGGTGGA
ATAGGAAGACCCCGGAACGTCATCCTGGGAGCTTGAGATTTTATTCTACATTTCTCTTGTTCTTAACTATT
TAGGGTGATGGATCTCTGCAGTAAGTGGAAGAGTTCTTCATGGCCCCCAAGGTTATATCCATCTAGAACTT
CAGCACGTAATTTCATCTGGAAATAGTGCCTTTGCGGATATAAGTTAGGTAAAACTGAAGATGAGATCATA
CTGGATTAGGATGGGATCTAAATCCAATGAAAATGTCTCCATAAAAAACAGGAAAGAACCCATAGAAACAC
AAGGAAGAAGGTCATGTGAAGATGGAGGCAGAGATTGGAGGGATGCAGCCACCGGCCCAGGAATGCCAGCA
GCCACCCAGAAGCTGGAAGGAAATGAGGGATTCTCTCCTAGAACCTTTAGAGAGAACATGGTCCTGTGAAC
AGCTTGATTTTGGACTTGCCCATAGCTTGTATACTCTTACTTTGGATACAATTTTATCCAAACTTGGCTAA
ACAGTTTCTCAGCTATGGAAAATTTAAAATGGAGAAGATTCAACTCGATTTTTACAGATCAAAAGCAAGAA
AATGANNNNN
Table1 3197
ACAGGTTATTTCATTTCTGGCTGCAGTTTTGCATAAAAAGGGAACTCGTGAGGATATTGAAAATA
ACATGCCAGAGTTTTTACTAAGAAGTATGAAAAAGGAACCCCTTTCTTCTACAGCAAAAAAGGATGAATTG
GACACCTGGGGATATTTCAGAGTCACTGTTTTACCATGGAAACAGAAAAGATAATGAATTAATTCGTGTAA
AGCCAGAGGAATTGTGAAATTGCCTCTAACAACCTTATGAAACACTACGCTTATGCCTGGATGAACTTAAC
AGTTTGGAATGGTCAGCTGTCATTGTGGATGAAGCTCATAGAATCAAGAATCCAAAAGCTAGAGTAACAGA
AGTTATGAAAGCTTTGAAATGTAATGTCCGCATTGGCCTCACTGGAACCATCCTTCAGAACAACATGAAGG
AACTGTGGTGTGTTATGGACTGGGCTGTGCCAGGCCTTTTAGGGAGTGGGACCTACTTCAAGAAGCAGTTT
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GCAAAGACTTGCCAAAAAGATGTCTGGCTGGTTTCTCAGGCGCACCAAGACTCTTATCAAGGATCAGTTGC
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GAAACAGAGGACGTGACTTTGATACTTCAATCTTCTGAGCCTTGTACCTGTAGGAGTGGCCAAAAAAGGAG
AAATTGTTGTTATAAGACCAATTCTCATGGTGAAACAGTGAAAACCTTGTATCTCAGTTACCTTACAGTCC
TTCAGAAGGTAGCTAACCATGTCGCGCTACTGCAAGCTGCTAGTACTTCCAAACAACAGGAAACACTTATC
AAAAGGATATGTGATCAGGTTATTTTTCCGATTCCCAGATTTTGTGCAN
Table1 3198
NNAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGCAGGCTGGAGAGGATTTGATTAG
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NN
Table1 3200
GATTAAATTCTTTATATCATTCTTGCAACTTTTCCATGCTTTTGAAATTATTTAAGAAAGTTAAC
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ACGCTTGCATTCACCTTCCTTCGACGATTACTACTTCTTACACGCTATGATTTCTCTCCTTTTTCCACCAC
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TTGGTTTCATTCTCTCTTTTTCTTAGTTGATTCATTTCTGCTTTTGTCTTTAAAGAACACAGTAATTCTTC
AACTTACTTTGGTTCTTTGCTACCTCTTTAGTGTTTAAATCACTTCTTTTGATTCTTATTTAATAACAATC
TTTACACATTAACTCTAAN
Table1 3201
NCGCCTGTGGGAGGCGCGTCCGGGTGGGCGGAACTCCTAGCGGACACCTCGTGGAGTCCGGCCGG
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GCTTTAAATGCTACCAAACTGGAACGAGTATTTGCAAAACCATTCCTTGCTTCGCTGGATGGTCACCGTGA
TGGAGTCAATTGCTTGGCAAAGCATCCAGAGAAGCTGGCTACTGTCCTTTCTGGGGCGTGTGATGGAGAGG
TTAGAATTTGGAATCTAACTCAGCGGAATTGTATCCGTACAATACAAGCACATGAAGGCTTTGTACGAGGA
ATATGTACTCGCTTTTGTGGGACTTCTTTTTTCACTGTTGGTGATGACAAAACTGTGAAGCAGTGGAAAAT
GGATGGGCCAGGCTATGGAGACGAGGAAGAGCCATTACATACAATATTAGGAAAGACAGTGTATACTGGGA
TTGATCATCACTGGAAAGAAGCTGTTTTTGCCACATGTGGACAGCAAGTAGACATTTGGGATGAACAAAGA
ACTAATCCTATATGTTCAATGACCTGGGGATTTGACAGTATAAGTAGTGTTAAATTTAACCCAATTGAGAC
ATTTCTCTTGGGAAGTTGTGCATCTGACAGGAATATAGTACTGTACGATATGAGGCAAGCTACTCCTTTGA
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GCAAATGAAGATTATAACTTATATACTTTTGATATGCGTGCACTGGACACTCCTGTAATGGTCCATATGGA
TCATGTATCTGCAGTGCTTGATGTGGATTACTCTCCCACTGGGAAGGAGTTTGTGTCTGCTAGTTTCGATA
AATCTATTCGAATCTTTCCTGTAGACAAAAGTCGAAGCAGGGAGGTATATCATACAAAGAGAATGCAACAT
GTTATCTGTGTAAAATGGACTTCTGACAGCAAGTATATTATGTGTGGATCTGATGAAATGAACATTCGCCT
GTGGAAAGCTAATGCTTCTGAAAAATTGGGTGTGCTTACATCACGAGAAAAAGCAGCCAAGGATTATAACC

Table 6
506/3331

AGAAATTGAAGGAGAAATTTCAGCATTATCCTCATATAAAACGTATAGCTCGTCATCGACATCTACCAAAA
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TGCTGGGACTAGATTAATTGCAAACATTTTAGTTATATGTGTAGAGCTTTATTGTTACTCCTTTTAGCTAC
CCTGAAAAATGATCCTTAAAGGTGGCCTAGTTGGTAAGACTGTTTTATCCTTAATCTGCATTCTTCTTTCA
TTGTAGAATACAGTATTTGCAACTCATTTTTTCTTGTTTTTATTACAGATATACTTACTTTCTCTTGATCT
ATATGGTGAACCTATACATTCAAATGAGCTTAGAACAAATCTCTAGTTACTTTAAAATTACTGAATAGATG
CGAGGTTTCGGGATCCCCTACATTACAAGGGGGATTTGACAGAATTTTAAGGCTAAAAAGGGGGGATAACA
AAAGGATAATTAAAAAAAGGGGGAATAAGNNNNNNNNNNNNNNN
Table1 3204
CACGCTGGTTTTGCATCTTCAGGAGACGCTCGTAGCCCTCGCGCTTCTCCTCGGCCAGTCCGCGA
TGATGTGGCTCTGGAAGGCGTGAGCCACTTCATCGCGGTCGAAATAGAAGCCCAGAGAGAGGTAGGTGTAG
GAGGCCTGCAGGTACGCGGGTATATTCAGGTGAATGAGCCCTGGAAGCGGATTAAAGGCAGTGAGGCTGAC
AGGCAACGGGCAGGAACAGTGACTGGCTTGGCAGTGAATATAGCTGCCTTGCTCTCTGTCATGCTTCAGCC
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GAGGACATTGCCTGGCAGTGACTGGACACCCAATGCCCAGTTTATCACCCGTTCTTGGCTTCGGGATGGCC
TCAAGCCACGCTGCATAACCCGAGACCTCAAATGGGGAACCCCTGTACCCTTAGAAGGTTTTGAAGACAAG
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AGAGACTGGTGGAAGAACCCAGAGCAAGTGGACCTGTATCAGTTCATGGCCAAAGACAATGTTCCTTTCAT
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CCCGCAAAAAAAAACAGGAACACAAACCGACTACAAGCAACCTCACCAAATAAACACCGCACGAGCGCAGA
GCACATCAACCAAAAGCGAACAAAAGAGAGGCTCGACACTCAGAGCGGTGCANNNNNNNNNN
Table1 3206
gGCCGCCCGGGCAGGTACGCGGGGACACTTCAGGTGCCCAGTGTCCACACTGACTAGTGGTGACG
GCGTTGGACAGTGCAGATACAGAACATTTCTGTCATCACAGAAAGTTCCTTTGGACAGAGCCATGTTAAGT
GATGTTATCACAAGATGGACAGAAACATTCCTGTTTGATTTATTTTTCAGACCCAGTTTGTGGAGAAAAAT
AATGATGCTTTACATATGTCTCTTGAATCCTTAATATGTGAATCCAGAGATAAGTTTATACGGGAATTATT
TGAATCATCCACAAATAACAACAAAGATACTAAACAAAAAGCAGGAAAACTTAGCTTCATCAGCGTGGGAA
ACAAGTTTAAGACACAGTTAAATTTGCTTCTGGATAAACTTCGAAGTACCTGCCCGGGCGgCCgc
Table1 3208
NNNNNCTGATAGTCCCTACCTGTCAGGACTGGTGTTAGGATGAGATAATGTTTGTGAACTGTAAA
CATATATAAACGTGTGCTACTGTGAGAACTGGAACAAAGAAGAGAGGGAGTGAGAGAAATCAAGGGAGGGC
TGGGGCTGGGAAAGAACGAAAAGGGAGTCGCGTATAGAGGAGAGGCGACAGTCGCGAGCCACACTTTGCAA
TGAAACTCTTTAGACTTTCTGCCGGGAGAGCGGCCCAGACGCGCCAGGTCTGTAGCAGGAGGCCGCGAGGG
CGGGTCCCCAGAAGCCTACAGGTGAGTATCGGTTCTCCCCTTCCCGGCTTTCGGTCCGGAGGAGGCGGGAG
CAGCTTCCCTGTTCTGATCCTATCGCGGGCGGCGCAGGGCCGGCTTGGCCTTCCGTGGGACGGGGAGGGGG
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GCAGGACAACTGCACGTGTCCCACCAACAAGATGACCGTGTGCAGCCCCGACGGCCCCGGCGGCCGCTGCC
AGTGCCGCGCGCTGGGCTCGGGCATGGCGGTCGACTGCTCCACGCTGACCTCCAAGTGTCTGCTGCTCAAG
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GTGCGCACCCACCACATCCTCATTGACCTGCGCCACCGCCCCACCGCCGGCGCCTTCAACCACTCAGACCT
GGACGCCGAGCTGAGGCGGCTCTTCCGCGAGCGCTATCGGCTGCACCCCAAGTTCGTGGCGGCCGTGCACT
ACGAGCAGCCCACCATCCAGATCGAGCTGCGGCAGAACACGTCTCAGAAGGCCGCCGGTGACGTGGATATC
GGCGATGCCGCCTACTACTTCGAGAGGGACATCAAGGGCGAGTCTCTATTCCAGGGCCGCGGCGGCCTGGA
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AGTTCTCCATGAAGCGCCTCACCGCCGGCCTCATCGCCGTCATCGTGGTGGTCGTGGTGGCCCTCGTCGCC
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GGGGGAGTTGAGAAAGGAACCGAGCTTGTAGGTACCCGGCGGGGCAGGGGATGGGGTGGGGTACCGGATTT
CGGTATCGTCCCAGACCCAAGTGAGTCACGCTTCCTGATTCCTCGGCGCAAAGGAGACGTTTATCCTTTCA
AATTCCTGCCTTCCCCCTCCCTTTTGCGCACACACCAGGTTTAATAGATCCTGGCCTCAGGGTCTCCTTTC

Table 6
507/3331

TTTCTCACTTCTGTCTTGAAGGAAGCATTTCTAAAATGTATCCCCTTTCGGTCCAACAACAGGAAACCTGA
CTGGGGCAGTGAAGGAAGGGATGGCATAGCGTTATGTGTAAAAAACAAGTATCTGTATGACAACCCGGGAT
CGTTTGCAAGTAACTGAATCCATTGCGACATTGTGAAGGCTTAAATGAGTTTAGATGGGAAATAGCGTTGT
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ATATGTTGTCTTTGATAATGTTGCTGTAATTTTTTAAAATAAAACACGAATTTAATAAAATATGGGAAAGG
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TGAGCAAATCACTTAACTCAAAGGCGTTGTGGCTCTAAGATTAAACGACNNN
Table1 3211
ACTCTCAAGACTTAGAAGCCATATGGATAGAATGAAATAGGAATTGGTGGTGTCTTGGAATATCT
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CGAGCATGGAATCCCCTCTGCAGTTATGTTTGCCTGTGCATCTCCGGCAGCTGGAGGACGAATCACATCAG
GCTGATGAGTGTGTCACGCTCTTCATCCCCCAAGAGCTGTGATGAAGACCAAGACTAACAGTTGATTAACA
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AGTGGAAAGGGGGGTGAGACAGAAACCTTTGTCGAGNNN
Table1 3212
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CCTGCCAGGTCCGGGCGGGTGCCTGGAGCCGCCAGAGTTTCCGCACCCGGGAGGGAGATGCGGCCGGGGCT
CAGGCTCCTTGCAGTTGTAATTTAGATTCGAGAAGTGGTTTATCCTTTGACTGGAAAAGAAAAGTAGCTGC
AGTATTCCCCCAGCACTTGCTGAGAGCATGCCGTATGCCAGGCTGTGAGGCTCGAGAGACAAGCAGTGGAA
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GTGTTGGACACTGATTTGGATCACATTCTTCCATCTTCTGTTCTTCCTCCATTCTGGGCTAAGTTAGTAGT
GGGATCGGTTGCCATTGTGTGTTTTGCACGCAGCTATGATGGAGACTTTGTCTTTGATGACTCAGAAGCTA
TTGTTAACAATAAGGACCTCCAAGCAGAAACGCCCCTGGGGGACCTGTGGCATCATGACTTCTGGGGCAGT
AGACTGAGCAGCAACACCAGCCACAAGTCCTACCGGCCTCTCACCGTCCTGACTTTCAGGATTAACTACTA
CCTCTCGGGAGGCTTCCACCCCGTGGGCTTTCACGTGGTCAACATCCTCCTGCACAGTGGCATCTCTGTCC
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GCCCCCAGGGCGTCCCTGCTGGCCGCGCTGCTGTTTGCTGTCCATCCTGTGCACACCGAGTGTGTTGCTGG
TGTTGTCGGCCGTGCAGACCTCCTGTGTGCCCTGTTCTTCTTGTTATCTTTCCTTGGCTACTGTAAAGCAT
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TGCTCAGGAACGGGGGCCTCCTCTTCAGAATGACCCTGCTCACCTCTGGAGGGGCTGGGATGCTCTACGTG
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CATGCTGGTGAGGGCCGTAAACTACAATTACTACTATTCATTGAATGCCTGGCTGCTGCTGTGTCCCTGGT
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Table 6
508/3331

TTCCTAATATATTTAGATGTATTCAATAAACATTGTTAATTAAAAAATTTGTGTTCATTCTAACCAAACTG
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TTGGCTTATCCGAN
Table1 3213
NTAGAGCGGCCGTGAAGTAGCCCCCCAACTTGCTGGCGTGCTGCTTCTTTGGGAACACCCCTGGG
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TCGTGGAGCAGAAGTACGTCNNNNNNNNNNNN
Table1 3214
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ctgctgtctgtgccacgtctggtgtcactggcgcatatcctgcttctgtcctctttttctccccggggtcc
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GTACCGGGAACCAAACTCTCATTCCCCAGGGGGCCTAAGACCCCCGTGGCCAGGCCCTTCTCAAGTCAGGG
TTCCTGCACATTCACAGTTACGGGTGGCCCTGGGAGTAACACCTGGCACCCAAACAGGTCACCAGAGTCCA
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TAAGAGGTAGACGCTAGGCTTGAGTCCAGAATTAGAAATCTCCAGAGCTAGGGTGTTTTCTAAGAAGCCCC
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ACAGACATTTATGGGGGAGATGGAGAGAGGAGAGATTAAGGAGAAAAAGGTAATTCCGGAGActaAGTGGG
GAGAGATGAGCAGAGCGG
Table1 3215
NNACTATAGGGCGAATAGTAGCTGCACGCGCGGTGGCTGCACCGCGGCAGGCGGCCGAGGCACGC
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ACTGCCTCGTGTTGTCTGTTGGCGCGCTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTG
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TCATTTCTAAACACAGACCAAGAAGAAAAAGAACAAAGT
Table1 3216
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CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN
Table1 3217
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GGAAAGCTGGAAAACTCAAGGGCAGAGCAAGTTCTGAAGAGTATGCGGAAGTCGTGGCTGCAGCCAAGGGT
AACTTTCCACTGCCGGGTGACAAGGTCACAGGAGAGAAGTTTTAACTTGACTCCCAGGAAAGCAGTCTACA
CGGTTGTTCCTCTCTGGAAATGGCTTCCTCTGTGACTGGCTCACATCAAATCACAGGTGTCTTCCCCGCGT
Table1 3218
ACGCGGGGAGAGAAGTTTCCGGGACTGGTGAGTAGTGGGCGATTTAAAAACCCGCGAGTGTAGTT
GTGACCTTCGCGGTAGGTGCCGGTTGGGGCCGGCTGTGATTGTTATCTTGGTGCTGCAGAGGACAGCAGAA

Table 6
509/3331

GAGGAGATTGGGTCAGAAAACTGCCCTGCCGCACCAGAGCACAGCGCACTAGTGGGACAGGGGTCCTGACT
CAGACTTAACTGGCTGTGTCTCGTGGTTTTTCACTGTCCTGGAAAAGGCCTGAAGTGGCACTGAAATGAGG
CATAGATGAGGTAACGTCGAGGGAGCGGTTTGCAGGTTGCAAAGGGGCCCTACTGATGCTGCTTAATAGTA
AACAGTGCTTACTCTAGGACGGGAGTTGTTTCCAGCTTTACGTGTAAATCTCGCGATATTGTGGCCTGGGC
ACTATTTCCATTAAGGAGGAAACTGCACAGGATAAGTCATTTACCTGCTGTTGCACAGCTCTGGCTCTAGG
ATTCAGGCTGGCTTCAGAGTCGGTGCTCTTAACCGCCATACTATGTTGCCTTCTGTTGTCGTTGTTGACTG
TGGCCATGTAGCTTCGCAGTTTCCTCATCTGTAACAGTAAATAACTCAAAACCTGCATGATGGCCCACTAG
GGTTTCACTTTCGAGCTTGCCAGATGTAGAAAATGCTGGAGAATGGAGTACCTCGGCCGCCACCGCGTGGA
GCTCCAATTCGCCCTA
Table1 3219
NNNNGAAGTCCTCGTTCCACGCCTTCTCATCATCCTGAACACCGAGCTCTGGGACTCCGGCGGAG
AATCTAAACGTAAAGCATCACCCACGGTCGTGAACTGTAGGCGCCCAGGTACGCGGGGATCTTATTCTGGC
CTTGGCGGAGTTGGGGATGGTGTCGCCTAGCAGCCGCTGCCGCTTTGGCTTGCTCGGGACCATTTGGCTGG
ACCCAGAGTCCGCGTGGAACCGCGATAGGGATCTGTCAGGGCCCGCGGCCGGGTCCAGCTTGGTGGTTGCG
GTAGTGAGAGGCCTCCGCTGGTTGCCAGGCTTGGTCTAGAGGTGGAGCACAGTGAAAGAATTCAAGATGCC
ACCTAATATAAACTGGAAAGAAATAATGAAAGTTGACCCAGATGACCTGCCCCGTCAAGAAGAACTGGCAG
ATAATTTATTGATTTCCTTATCCAAGGTGGAAGTAAATGAGCTAAAAAGTGAAAAGCAAGAAAATGTGATA
CACCTTTTCAGAATTACTCAGTCACTAATGAAGATGAAAGCTCAAGAAGTGGAGCTGGCTTTGGAAGAAGT
AGAAAAAGCTGGAGAAGAACAAGCAAAATTTGAAAATCAATTAAA
Table1 3220
TCCGCGGACGCGTGGGCGGTGGCCGTCCGCCCACTCCGCGGCGTTCGGGGAAATGGCTGCGAGAC
CCTAGAGGCCTGCGGAGCTTACTCCACGGGAACAGCCTCTAGATAATCTGAGTGTTGAAAATACGAAGCCT
GTTACTCGTGAACAGTGGCTGACAACAGTGTTGTTGTGAGCCTGGCTGTCTGCTTGGACCCAGAGGTTTCG
TCTGCCAGGGTTTTGGTTGTATTTAGGATTTCAGGGAAAAGTGTCCAAGCTTTCAGTGTGGAGCAGGTATG
GACGACAAAGGCGACCCGAGCAATGAGGAGGCACCTAAGGCCATCAAACCCACCAGCAAAGAGTTCAGGAA
AACATGGGGTTTTCGAAGGACCACTATCGCCAAGCGAGAGGGCGCAGGGGACGCGGAGGCTGACCCACTGG
AGCCGCACCCCCACAGCAGCAGCTGGGCCTGTCCCTGCGGCGCAGTGGGAGGCAGCCCAAGCGCACTGAGC
GCGTGGAGCAGTTCCTGACCATTGCGCGGCGCCGCGGCAGGAGGAGCATGCCTGTCTCCCTGGAGGATTCT
GGTGAGCCCACGTCCTGCCCCGCACAGACGCCGAGACAGCTCCGAGGGCAGCGTGGAAAGCGCTTCTGAGA
CCAGAAGCGGCCCCAGTCTGCTTCCACAGTGTGAAGGAACGACCAGCTCTTCTGAAAAGGTGAAAGGAGGG
GATGACCACGATGACACCTCCGATAGTGACAGCGATGGCTGACCTTGAAAGAGCTTCAGAATCGCTTCGCA
GGAAGCGGGAACAGGAGCCCACTGAGAGGCCCCTGAAAGGGATCCAGAGTCGCCTGCGGAAGAAGCGCCGG
GAGGAGGGTCCCGCCGAGACTGTGGGCTCCGAGGCCAGTGACACTGTGGAGGGCGTCCTGCCCAGTAAGCA
GGAGCCCGAGAACGATCAGGGGGTTGTGTCCCAGGCTGGGAAAGATGACAGAGAGAGTAAGTTGGAGGGAA
AGGCGGCTCAGGACATCAAAGATGAGGAGCCTGGAGACTTGGGCCGACCGAAGCCTGAATGTGAGGGTTAC
GACCCCAACGCCCTGTATTGCATTTGCCGCCAGCCTCACAACAACAGGTTTATGATTTGCTGTGACCGCTG
TGAAGAATGGTTTCATGGCGATTGTGTGGGCATTTCTGAGGCTCGAGGGAGGCTTTTGGAAAGGAATGGGG
AAGACTATATCTGCCCAAACTGCACCATTCTGCAAGTGCAGGATGAGACTCATTCAGAAACGGCAGATCAG
CAGGAAGCTAAATGGAGACCTGGAGATGCTGATGGCACCGATTGTACAAGTATAGGAACAATAGAGCAGAA
GTCTAGCGAAGACCAAGGGATAAAGGGTAGAATTGAGAAAGCTGCAAATCCAAGTGGCAAGAAGAAACTCA
AGATCTTCCAGCCTGTGATAGAGGCGCCTGGTGCCTCAAAATGTATTGGCCCCGGGTGCTGTCACGTGGCG
CAGCCCGACTCGGTGTACTGCAGTAATGACTGTATCCTCAAACACGCCGCAGCGACAATGAAGTTTCTAAG
CTCAGGTAAAGAACAGAAGCCAAAGCCTAAAGAAAAGATGAAGATGAAGCCAGAGAAGCCCAGTCTTCCGA
AATGCGGTGCTCAGGCAGGTATTAAAATCTCTTCTGTGCACAAGAGACCAGCTCCAGAAAAAAAAGAGACC
ACAGTGAAGAAGGCAGTGGTGGTCCCTGCGCGGAGTGAAGCACTCGGGAAGGAAGCAGCTTGTGAGAGCAG
CACGCCGTCGTGGGCGAGCGATCACAATTACAATGCAGTAAAGCCAGAAAAGACTGCTGCTCCCTCGCCGT
CACTGTTGTATAAATGTATGTATCACCTAGGGGTTGGCCTCCTGGACCCCTCCCGTTCTTTCTGGATAGCA
TCCCCTGGGCCTGTCCAGGACTGGGAGTTGCAGCTTGTGTTAAGCTGATCACAGACACGGTGCCCTCGGGG
AGCAGAGCCGGTAGAGCCCCGTGCCGGTCCCCATTGGGGATCTGGCGGTCCAGGTCCCTCGAGTCTCGGGT
TCCGGCCCGCGGGATTCTCCCTGGCGCNNNNN
Table1 3221
CCACGCGTCCGGCTGCGGGAGGCGCGGCGCGGGGGGGGTCGGGTGCGCGGCGGGCCGCCCCTCCC
CCTGCCAGGTCCGGGCGGGTGCCTGGAGCCGCCAGAGTTTCCGCACCCGGGAGGGAGATGCGGCCGGGGCT
CAGGCTCCTTGCAGTTGTAATTTAGATTCGAGAAGTGGTTTATCCTTTGACTGGAAAAGAAAAGTAGCTGC
AGTATTCCCCCAGCACTTGCTGAGAGCATGCCGTATGCCAGGCTGTGAGGCTCGAGAGACAAGCAGTGGAA
GAGTTGCGGCCTGTTTCATCTCTGGATTGTAAATCTGAGCCTCCTTCTGGCCCCTGGAAGGGGACAGCATC
ACGATGGAATGATTCCTAACCAGCATAATGCTGGAGCCGGGAGCCACCAACCTGCAGTTTTCAGAATGGCC
GTGTTGGACACTGATTTGGATCACATTCTTCCATCTTCTGTTCTTCCTCCATTCTGGGCTAAGTTAGTAGT
GGGATCGGTTGCCATTGTGTGTTTTGCACGCAGCTATGATGGAGACTTTGTCTTTGATGACTCAGAAGCTA
TTGTTAACAATAAGGACCTCCAAGCAGAAACGCCCCTGGGGGACCTGTGGCATCATGACTTCTGGGGCAGT
AGACTGAGCAGCAACACCAGCCACAAGTCCTACCGGCCTCTCACCGTCCTGACTTTCAGGATTAACTACTA
CCTCTCGGGAGGCTTCCACCCCGTGGGCTTTCACGTGGTCAACATCCTCCTGCACAGTGGCATCTCTGTCC
TCATGGTGGACGTCTTCTCGGTTCTGTTTGGCGGCCTGCAGTACACCAGTAAAGGCCGGAGGCTGCACCTC
GCCCCCAGGGCGTCCCTGCTGGCCGCGCTGCTGTTTGCTGTCCATCCTGTGCACACCGAGTGTGTTGCTGG

Table 6
510/3331

TGTTGTCGGCCGTGCAGACCTCCTGTGTGCCCTGTTCTTCTTGTTATCTTTCCTTGGCTACTGTAAAGCAT
TTAGAGAAAGTAACAAGGAGGGAGCGCATTCTTCCACCTTCTGGGTGCTGCTGAGTATCTTTCTGGGAGCA
GTGGCCATGCTGTGCAAAGAGCAAGGGATCACTGTGCTGGGTTTAAATGCGGTATTTGACATCTTGGTGAT
AGGCAAATTCAATGTTCTGGAAATTGTCCAGAAGGTACTACATAAGGACAAGTCATTAGAGAATCTCGGCA
TGCTCAGGAACGGGGGCCTCCTCTTCAGAATGACCCTGCTCACCTCTGGAGGGGCTGGGATGCTCTACGTG
CGCTGGAGGATCATGGGCACGGGCCCGCCGGCCTTCACCGAGGTGGACAACCCGGCCTCCTTTGCTGACAG
CATGCTGGTGAGGGCCGTAAACTACAATTACTACTATTCATTGAATGCCTGGCTGCTGCTGTGTCCCTGGT
GGCTGTGTTTTGATTGGTCAATGGGCTGCATCCCCCTCATTAAGTCCATCAGCGACTGGAGGGTAATTGCA
CTTGCAGCACTCTGGTTCTGCCTAATTGGCCTGATATGCCAAGCCCTGTGCTCTGAAGACGGCCACAAGAG
AAGGATCCTTACTCTGGGCCTGGGATTTCTCGTTATCCCATTTCTCCCTGCGAGTAACCTGTTCTTCCGAG
TGGGCTTCGTGGTCGCGGAGCGTGTCCTCTACCTCCCCAGCGTTGGGTACTGTGTGCTGCTGACTTTTGGA
TTCGGAGCCCTGAGCAAACATACCAAGAAAAAGAAACTCATTGCCGCTGTCGTGCTGGGAATCTTATTCAT
CAACACGCTGAGATGTGTGCTGCGCAGCGGCGAGTGGCGGAGTGAGGAACAGCTTTTCAGAAGTGCTCTGT
CTGTGTGTCCCCTCAATGCTAAGGTTCACTACAACATTGGCAAAAACCTGGCTGATAAAGGCAACCAGACA
GCTGCCATCAGATACTACCGGGAAGCTGTAAGATTAAATCCCAAGTATGTTCATGCCATGAATAATCTTGG
AAATATCTTAAAAGAAAGGAATGAGCTACAGGAAGCTGAGGAGCTGCTGTCTTTGGCTGTTCAAATACAGC
CAGACTTTGCCGCTGCGTGGATGAATCTAGGCATAGTGCAGAATAGCCTGAAACGGTTTGAAGCAGCAGAG
CAAAGTTACCGGACAGCAATTAAACACAGAAGGAAATACCCAGACTGTTACTACAACCTCGGGCGTCTGGT
AAGCGCGGGGTGCCCTGTGCCTGTGGAAGGAAAGATGGGTTATTTTTCTTATTTATAATAAAATGACATAG
TGACACCCACCTAGCCCATACATTTTATAAAGTTCTTTCACATGTTTCTATCTCATTTGAAGGTAGCTATT
TGATTTCCTTTTGAGTAATTTTTTAAAGCTCTCATTAGAGAGCAGTACAGTGTGAATTAGTCAAGTTTAAG
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TTCATCTGCAGGGAGCATTTCCCCCCAAAAAAGGCAGCTTTGGAGGGCACGGGATTTATTTGAAAGGGCTT
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GTTTACGAAGATCTGATTGCTCTTGATTTTCTTGACAAAAATAAAATGAGACACACACATAGCAAAATTCT
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TTCCTAATATATTTAGATGTATTCAATAAACATTGTTAATTAAAAAATTTGTGTTCATTCTAACCAAACTG
GAATACATCCATAGTGATATGACTTTCACAGAAGTTTATATGTAGATTTCCAGATTTTATCCAGCTTAGCC
TTACAGGTAGGAAGGCATCCTCGTGTTCTAAAGAGATGTCTGCTGCCCTCGTTTTAAAGGCCTGAAGCTTC
TTGGCTTATCCGAN

Table1 3222

NNCTACAGCGCGCGGGGGTCTCCCGCGTCCCTCCGCCTCGCCGGGAGCTCGCGCCCTCGCCCAGC
CGAGCTCCCACCCCCGCTTTTTTCCTGAAGGCGCTGGGCGGCTGCCACCCTCCGGCCGGAGCCCGGCACTG
CACAACCCCCATCCGACTTTCAGAGTGTTCCACAGCTCCCCGGCGCAGAGCCCTCCTCGGCTTCTTTATTT
TCCCATCGCAGAAGAGAGGGAAAAAGAGGGAGAGAAAAAAAAAAAAAGAAAGAGAGGAAAGAGAAAAACAAA
GAAGAAAAAAAAAAAAAAAAGAAGGGAGGAGAAAAAAAAAAAAGGAAAGAAGAAAAGAAAAAAAGCAAAA
AACAAAAGAGAATAAAATAAAAATAAGAACATAAAAATAAAAAAAAAAGTAGTAAATAAAGTGAGAGAAGA
GAGAGAAAAATCAAAAATGTGGGGGCAAACAAAAGAAGAGAAAAAAAAAAATCAAAAAAAAAAAGAACAGA
CAAAAATAAAAAAGGGGAAATACAAAAAAAAAAAAGCAAAAAAAAGAAAAAAAAGATAAAAAAAAAACGAA
CAAAGTAAACCACAACAAATACAAACAAAAGACAACGCCAGGAAAACAAAAACAACACAGCGGAGGAAAAA
ACCCCACGAAGAACAAACACGGAGAAAAACAAACACAGGAACAAGACAAACAGGCAAAAACAGAAACCAAG
ACAGGCAAACACAGAAAAAAGAAGACGCGACAACAAAAATCAAAGAGAGAAAGAGAAAAAAGAAGCACGAG
GCCAGACAAAACAGAACACAAAAACACAGAGAAAAAATGAGCAAAAAACAGAGGAACGCGCAACACAACAA
CGACAGAACACACGCAAAAACAACCGAGAGGAAGCAAACACCTGGAAGCATAGCCACTCAGTATTTGACCA
ACAGAGCAGAACACGACAGGATAGCCAGACAGTGGACCAAGAGATACGCAACATAATTCACATAATTTGTA
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CTGTGTATATGTTATACTGATTCTACTCTGCTTTTATCCTTTGGAGCCTGGGAGACTCCCCAAAAAGGTAA
ATGCTATCAAGAGTAGAACTTTGTAGCTGTAGATTAGTTATGTTTAAAACGCCTACTTGCAAGTCTTGCTT
CTTTGGGATATCAAAATGTATTTTGTGATGTACCATCCCCCGCATGCCACTGTTTCTACCACCAGTTTTGC
AGGAGAAAAGGAATCCTAGGACTAATACAAGCTACTTGGCTCCATGCTTTAAGGTAGAGAGATCTGGGAAA
AAGTCTTCCTCCTTTCCCTTTGCTGCCCCTGTAGAGACCAACCAGACCCATAAATGGGCATGT

Table1 3223

NNNNCCCTATCCTTCGGTGTCAAACCCGTGCCCCCCCGTTTTTTGCGAGACCACCCCTGTTCTTC
CCGGTTCCTTGGCACCCGTGCCACTTTTCTGACTCTGGTGCCGCCCCCCAACGCGGTTTTTAATCTTTCTT
AGGGCCTAGCCGTCGACCATGTTTTTTTTTTCATGCGTGTTGTTTGTTTCTATTAGAAGTTACCAGGGGGT
GCAGGATTCTTTATCTCAGGACTTTTAAGACCTTTATCCATAGAGATCCCAACATTGTTCATTTGATCCAA
GTGTAGCACCTATGCATGGGATAAAAAATAGTATCACATCTTTGATTTTTCTGATTAGTTATTTGGGTCTT
GAAATGTCCAGTTTATCAGAAAGTCTTGTACTGTCTTCTGGGGACTATGTCCTAGATACTCCTTGAATTTT
TCAGGAACCAAAGGGGTTCACTAAATCCAAGGAAGACGGTCCCTTTTATCAAGTCAGAAGGAGGAGAAAAA
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GCTGCCTTAAGATGAATCGGTAGATTCAGGTCCCTCAAGTCTTCATGGCAATTGATACAGTGACTTTGATG
TTTTTTGTTCCCATACCTATGGTTATATGCTCAGCCATTGTTCCCAAAGCAGCAGCCCCCTGCTCTGGCCC

Table 6
511/3331

CTGGGCATCCTGACTTTATCCACACACAAAATGAGCAAATTGACCCTTCCCCCCATATTCAGAACCTAATG
TGGAACCCACATCTTAGCCAAGAATTAGCTGAGACCTTCATGGTAAGAGATCCTTTGAGGCCGTTGTTGGT
CTTTTCTCTAGCAGATATTAGGTAGGCTTGTCCTAAAGGGTCAGAGGAGTTCCAAAGGGTCAGAGGGGTGG
CAGAAAGAGATCAGTGTTTGTTTCTTCTTCTTTGCTACCAGATCTATACTGTGAGGCACCTTTATATCCTG
TATAGAACCTTGGGCAGTAGAAAGTCCCATATGAACCTTCCCCTGAGCAGTGGCTCCCAGCTGTGGTTGGC
CCCTTGAGTGACCCGATTTACATGATAATGAAAATCGTCCAAGCTACTTCCATCTCTAGCTCAAGATTTTA
AGATATTTTCAAACTCTAGCTCACAGGAAGCCATTGAAGAGAAATCTCAGAATCTCAGGTAGGTTAGTTGG
ACTCAACAGAGCCAAGCCTTGTCCATGAAGCATCACTAGGCATGTGTAAAAGTAGGGCTTTGTGCTTGCTT
CGGCGGCACATATCCATAATGTAGAATCAGTGGAAGCTCTGAGCTTATTTTTCTGCAACTAGATGGTCTTA
TCTGGGGGCAAAGTGAGACAATGATAGATCATCTGGCATTAGATTCTCATACGAAGCACACAACCTAGATC
CTTCGGATAGGCAGTTCACAACAGGGTTCGTGCTCCAATGAGTTTCTAATGTTATCACTCCCCGCGT
Table1 3224
NNNCAAATTGTGTTTACTGCCTTTCGACACGTCTTGTAATTTTTTGCTAAATGCTGGATATGATA
TACTGGGTAAAAGAAAGAAATAAATATGCCTTTGGTGTGAAGTTTTATGTAGACCTGGCAAGGCATAAGAC
TATGTTTAATGTTTGTGTACAAACCATAGGTGTCAGAGGTTATAATTTTCTCTATCTTTGTTTTTCACATC
CTTGCTGTCTTCAGGTTTCCCTAAGGGACTCCTAAACAATCTGAGCCTTACAGTTATTTTAGTTGTGATTC
CCTGGTTATTATTTATGCAGCCATGGTTGGATGTGGCAGGTAAGGGTGTGGGACAGGGAGGAATCATTCTT
TCA
Table1 3227
NNACTTGCTTTCTATCTCTTCTGCCAAATATCCTAGGTCATCATTCTTCGGTTGGCGCCCCCCGC
ATCCGGCTGCGAGGCGCTGGGCACAGGTGTCCTGATGGCAAATTTCAAGGGCCACGCGCTTCCAGGGAGTT
TCTTCCTGATCATTGGGCTGTGTTGGTCAGTGAAGTACCCGCTGAAGTACTTTAGCCACACGCGGAAGAAC
AGCCCACTACATTACTATCAGCGTCTCGAGATCGTCGAAGCCGCAATTAGGACTTTGTTTTCCGTCACTGG
GATCCTGGCAGAGCAGTTTGTTCCGGATGGGCCCCACCTGCACCTCTACCATGAGAACCACTGGATAAAGT
TAATGAATTGGCAGCACAGCACCATGTACCTATTCTTTGCAGTCTCAGGAATTGTTGACATGCTCACCTAT
CTGGTCAGCCACGTTCCCTTGGGGGTGGACAGACTGGTTATGGCTGTGGCAGTATTCATGGAAGGTTTCCT
CTTCTACTACCACGTCCACAACCGGCCTCCGCTGGACCAGCACATCCACTCACTCCTGCTGTATGCTCTGT
TCGGAGGGTGTGTTAGTATCTCCCTAGAGGTGATCTTCCGGGACCACATTGTGCTGGAACTTTTCCGAACC
AGTCTCATCATTCTTCAGGGAACCTGGTTCTGGCAGATTGGGTTTGTGCTGTTCCCACCTTTTGGAACACC
CGAATGGGACCAGAAGGATGATGCCAACCTCATGTTCATCACCATGTGCTTCTGCTGGCACTACCTGGCTG
CCCTCAGCATTGTGGCCGTCAACTATTCTCTTGTTTACTGCCTTTTGACTCGGATGAAGAGACACGGAAGG
GGAGAAATCATTGGAATTCAGAAGCTGAATTCAGATGACACTTACCAGACCGCCCTCTTGAGTGGCTCAGA
TGAGGAATGAGCCGAGATGCGGAGGGCGCAGATGTCCCACTGCACAGCTGGAATGAATGGAGTTCATCCCC
TCCACCTGAATGCCTGCTGTGGTCTGATCTTAAGGGTCTATATATTTGCACCTCCTCATTCAACACAGGGC
TGGAGGTTCTACAACAGGAAATCAGGCCTACAGCATCCTGTGTATCTTGCAGTTGGGATTTTTAAACATAC
TATAAAGTCTGTGTTGGTATAGTACCCTTCATAAGGAAAAATGAAGTAATGCCTATAAGTAGCAGGCCTTT
GTGCCTCAGTGTGAAGAGAAATCAAGAGATGCTAAAAGCTTTACAATGGAAGTGGCCTCATGGATGAATCC
GGGGTATGAGCCCAGGAGAACGTGCTGCTTTTGGTAACTTATCCCTTTTTCTCTTAAGAAAGCAGGTACTT
TCTTATTAGAAATATGTTAGAATGTGTAAGCAAACGACAGTGCCTTTAGAATTACAATTCTAACTTACATA
TTTTTTGAAAGTAAAATAATTCACAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAACAAAAAAAAAAAAGGGCGGCCGCNN
Table1 3228
NATATTAATTATTCCAGATAANGGGATTTTGGATTTCAANGAGNACATTTAGTATTTCAATTGTA
ACAATTAANTAACAGTCATGTGTTAAGGTAACAATGTGGAAACATTTNGAGACATGTTTTGTTAGGTGATT
TCATCATTATGTGAACATCATACTGTACTGACAGGAACCCCAGATGGTATAGCCTATTACTACACACTTAG
GCTATATGGTATAGCCTACTACTACATACCTAGGCTATATGGTATAGCCTACTACTACATACCTAGGCTAT
ATGGTATAGCCTACTACACACCTAGGCTATATGGTATAGCCTACTACACACCTAGGCTATATGGTATA
GCCTACTACTACACACCTAGGCTATATGGTATCGCCTACTACTACACACCTAGGCTATATGGTATAGCCTA
CTACTACACACCTAGGCTATATGGTATAGCCTACTACACACCTAGGCTATATGGTATAGCCTACTACACAC
CTAGGCTATATGGTATAGCCTGCTGTTCTGACCACCCTCGTATGTGGTCCTTCACTAACTGAAACATCATT
ATATGGTACATGGCTGTATTTATGGCTCTTTGCAGGTAAAGCATTATATCTCTTGCCTCTATTTTATTTAC
AGAGGCTATTTTCTTGCCCATTTTAAGTGCCCCTAGTCTGTGGTTCTATACCATCCTATGTATAGCTTTAT
CATAGCACTTTCTATACCTGCTTCCTTTACTGAACTCTAAGTTCTTTAAAGTAAGGTATCACAAATTAATT
TCATATTTACACTGAAGAANNNNNN
Table1 3230
ACTATATCTATTGCGCCAGGTTTCAATTTCTATCGCCTATACTTTATTTGGGTAAATGGTTTGGC
TAAGGTTGCCCGCGTACGCGGGGTGAGCTCCGAGTCCTCTGCTGCTTTGCCTTCAGCCTCTCCCAGGACTG
GGAGCTCCCTGCGAAGAGAGAGCTGGGGCTGCAGAGCTGTATTCAGGTCCAAGGTTCTGCCCTTCCTTGAG
TGGTCTAGAAGGCACTGCGTGGCCCCTCAGATGCTGGGACACAACAGACCCGGGACCCAGCTGAGCTACCC
ACCCCTTCCATGGACTGAATAAGATGGACTAACAGGC
Table1 3232
acattgttgtatgtcccgcacaggtccactgcttctctccgatttgtccgcgttattatctcgcc
tgtggcctttgtcagttggtgtcgttgctgcccctgggattgtccccgccctctttgtcgtttgcacgcag

Table 6
512/3331

ctgctgtctgtgccacgtctggtgtcactggcgcatatcctgcttctgtcctctttttctccccggggtcc
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cgcctcggccttcccaagcctgggattaccagcgcgtaagcccccgcgccggctctgtcattctgtctttt
acTTTTTGAGATAGAGTCTCGCTCGGACGCTCAGGTTGGAGTCCAACGGCGTGATCTAGGCTCTCTGCAAC
CTCCGCCTCCCGGGTTCAAGCGATTCTCCTGTCTCAGCCTCCCGAGTAGCTGGGATTATTGACGGGCAGCA
CCACGCCCGGCTACTTTTTGTGGTTTTTGTATCTTCTGTCTTCTGCTCTTTAGTACCGCATAGAGCCGCAG
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TCCTGTGTCTCTCGTCCAAATCCCCGCTCCTCCTCAGCTATCACCTCTGCCGATGCTGGTGGTTTCCCTGG
GTACCGGGAACCAAACTCTCATTCCCCAGGGGGCCTAAGACCCCCGTGGCCAGGCCCTTCTCAAGTCAGGG
TTCCTGCACATTCACAGTTACGGGTGGCCCTGGGAGTAACACCTGGCACCCAAACAGGTCACCAGAGTCCA
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ATCCCTGCCAAGATGGCGACTGCTCCAGCCTGCTGGTCCAACCTGTCCAGCCACAGCTGTTGCTCGAAGGC
TTGAAGTTCAATGGGACCCTCTCCCGCTTTCTACAAACTGGTTCCTTTATTTTTATGTTTATTTGGGACGG
GGTCTGGCTCTGTCACCCAGGCTGGAGTGAAACTCCATCTCAAAAAATAAAAAATAAAATGAAAATAAAAT
TAAGAGGTAGACGCTAGGCTTGAGTCCAGAATTAGAAATCTCCAGAGCTAGGGTGTTTTCTAAGAAGCCCC
TTTGCGTTCTGGGGGCTCAGACCTCAGTGAGGCTTAGTAGGATTTTGTATTTTCTTTCATTCTGACTCAGC
ACAGACATTTATGGGGGAGATGGAGAGAGGAGAGATTAAGGAGAAAAAGGTAATTCCGGAGActaAGTGGG
GAGAGATGAGCAGAGCGG

Table1 3233

AGTCGACCCACGCGTCCGGTCTTCCCGCGTCCGGCCGATTCCTCCTCCTTGGTCGCCGCGTCCTT
GGCTGGCGTCAGAAAAATGGCTACAAACTTCCTAGCACATGAGAAGATCTGGTTCGACAAGTTCAAATATG
ACGACGCAGAAAGGAGATTCTACGAGCAGATGAACGGGCCTGTGGCAGGTCCCTCCCGCCAGGAGAACGGC
GCCAGCGTGATCCTCCGTGACATTGCGAGAGCCAGAGAGAACATCCAGAAATCCCTGGCTGGAAGCTCAGG
CCCCGGGGCCTCCAGCGGCACCAGCGGAGACCACGGTGAGCTCGTCGTCCGGATTGCCAGTCTGGAAGTGG
AGAACCAGAGTCTGCGTGGCGTGGTACAGGAGCTGCAGCAGGCCATCTCCAAGCTGGAAGCCCGGCTGAAC
GTGCTGGAGAAGAGCTCGCCTGGCCACCGGGCCACGGCCCCACAGACCCAGCACGTATCTCCCATGCGCCA
AGTGGAGCCCCCAGCCAAGAAGCCAGCCACACCAGCAGAGGATGACGAGGATGATGACATTGACCTGTTTG
GCAGTGACAATGAGGAGGAGGACAAGGAGGCGGCACAGCTGCGGGAGGAGCGGCTACGGCAGTACGCGGAG
AAGAAGGCCAAGAAGCCTGCACTGGTGGCCAAGTCCTCCATCCTGCTGGATGTCAAGCCTTGGGATGATGA
GACGGACATGGCTCAGCTGGAGGCCTGTGTGCGCTCTATCCAGCTGGACGGGCTGGTCTGGGGGGCTTCCA
AGCTGGTGCCCGTGGGCTACGGTATCCGGAAGCTACAGATTCAGTGTGTGGTGGAGGACGACAAGGTGGGG
ACAGACTTGCTGGAGGAGGAGATCACCAAGTTTGAGGAGCACGTGCAGAGTGTCGATATCGCAGCTTTCAA
CAAGATCTGAAGCCTGAGTGTGTGTACGTGCGCGCGTGCGTGAGGCCCTGCCACGATTAAAGACTGAGACC
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ttaattgaccggcgttttacaacgacattactgggaaaaccctgcttttaccaaccttaatggtgttggat
acaattcccctttcgccaactgcttgatttacagaaaggccctgaccgatcgcccttcacaaaagtttgcc
caaccttaatgggcgaacgtgaatttgaagccgttaatattccgtttttcccctttctttggtacaccacc
tcatttttatccaataggcgtgattcgaataactcc

Table1 3234

NNNNNNNGATTCACACAGTAAAGACAGTTGCCAAAGTAATCTGCAATGAGGAAATCAATGAAGGA
TCTGGGGTTGTACGTCATGTCTTGGTTTAGACTACACTTTAGAGGGGATATGACGGTAGGAAAACCTGGTT
GGATGTATTACAGAGACATAAACATATAAATGAGTAAGACCCGAGACCAGAATGAGGGTAATGGAGATGGA
AACAAAAATCAAACAGAAAGAGCTTTTAAGTGAAAAATTAGATCTTATAAAAGGACCATGTAATTTTAAAT
GACTCTAAAGAATTGTATTCCAGACACCTGAATGATTGATGGGATTAATACACGAGATGGGTATTGGGATA
TGGCTTATGACAGAAGATGATGCATTTAATTTTAGAACCATAGAGACAAGGTAACAAGATTTAAATCAGGA
AGAATTTAATTGTAAAATCTTATAGAAAAATATGGAAGAAGTCAGCTACACAGAGACAGCAGTTGAAAATG
AATCATTCGGCTGGGCATGGTGGCTCACGCCTGTAATCCCAGCACTTCGGGAGGCCAAGGCAGGTGGATCA
CTTGAGCTCAGGAGTTCAAGACCAGCCTGGGCAACANNNNNN

Table1 3235

ACTACTATAGGGCGAATGAGCTCACCGCGGGGGCGGCCGAAACCAGCTTTTAAGTGAGCTCAGCA
TATTATAAAGGAATGAAAGCAATTAGAGCGTGGACTCTAAAGGTAGGTGAGACTTGCTGTTCCACTTAGAA
ACATAGAAACATAGGAAACTAAGGACTCGATGGGGACATCAATAGTAGGATGGCTTTTAAGAGGGCTGAAG
TGTGTAAATATACACATTAAGCTTTGCAGCAACTCTGTGCCAAATCGAAGTTGTTGCAGACCTGGAATTTT
AGTTTGGTAAAGGATAACTGTAGTTATTTTTTAAATAAAATGATTCATTAGAATTCTTTGGTTCTCTCATG
ATAATTTAGCAAGTTTGTCTCTTTCAGAAAGAAAAGTTTAAGTGGGGTTAATGGGTACTACTCGATTGTCA
ACGTCAAGGAGTCGCAGGTCGCCTGGTTCTAGGAATAATGGGGGAAGTATGTAGGAGTTGAAGATTAGTCC
GCCGTAGTCGGTGT

Table1 3236

NTAGAGCGGCCGTGAAGTAGCCCCCCAACTTGCTGGCGTGCTGCTTCTTTGGGAACACCCCTGGG
TGGCGTTTCATGTAATGGGACACGATGCCCTTCTTGCTGAACGACTGGAAAGAGCACAAGGAGCACTTTTT
CTTCTCCACTGCCCCCCGGAGTTCCTCGCTCAGCTGAGGGGAGTCGTCCTTGGGCGGGGATGGGATGATCA
CTTTGTTGGGCTTGTCGCTGATGGTCCTGGAGGCTGCCAAGCAGTGAGTGTAATACGCATCAATGTCGTGG

Table 6
513/3331

CGCTTCTGGTAGTGGGCTGCCAGACCTTTGCGGATGGGGTTGGTGTAGGCACACAGGGCACACTTGAAGAG
GTTGTTCTTGCCTTCTGGCTGGGCTCGGACATTATTGTGCTTGATGCGGTAGTGCCTGGCGATCCCCTTCC
TCGTGGAGCAGAAGTACGTCNNNNNNNNNNNN
Table1 3237
NNCGTCCGCCATGTTGACCAGGCTGGTTTCGAACTCCTTAACCTCAGGTGATCCGCCTGCCTGGG
CCTCCCGAAGTGCTGGGATTACGGGCGTGAGTCACCGCGCGCCGACCCTCCTTCAGTCCTGTGTCTTGTAC
GGTGAATGTGGTTTCTAAGGTGGATAAGGAGGCAGGGATTCCTTGCCTAGCTGGAGCCCTGCTCACCTGGC
CATCAAGCATACTGTGAGATGTTGCAAGTTAGGAGCTATAGAGTGTCATCGAGTTGTTTAATTTTAGAAAC
ACAAAGGCTTTAAATTAGAGCATCTCAGGTTAGACTTGTCCCTGAGCGGGTGATAGGTGTACTGAGATACT
GCATTTCTCTCAGCCCTCTCCCTTAAGCCAAGAGAGCTGAAGCTGATGTTTGATGGTTACCTTTTGGTATA
TATGTCATGGCATGAGAAAGAATCACTGCTTTAGTCTGTAGAAGCTTTGTCGTCCTTTGCCATGCCCTGGG
GAGGGAGCAGGACCATCCTTTGCACCCATCAGAGCATTCCTAGTTCTTTTGTTGCCAGATACGTAAGAGTG
GTTGAGTTTACAGGTGTCTGCATCTCTCTTTAGCAGAAAGATGGGGTTTCAAATGTGTTGCCTCTTTCCAA
TTTTGCTATGCCTATCAGTAGTCAGATATTTTGGGGAGAAGGGAAAAATCCAAGGTAAATGTGAGGTTCTT
ACAGTGAATTACTTTTCAAAAGAAATTTCTGCTACCAAGGGGCATTTGGGAAGTGGCTGTGTGGAGAAGTT
TTCATTGTAATGCGAACATATTGCCAAAAAAATATTGTACAN
Table1 3238
NNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
GCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCCACTGCCTCGTGTTGTCTGTTGGCGCG
CTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTGCTTTGGCCTCATCTATAAGCTTTTCC
ACTGTCCTGAAACAAGATAGAGAATCTGAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAA
TGTCCTGGAAAGTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCAT
TGTCAACGGAATCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAA
TAAATATTTGTTCATTTCAAAAAAAAAAAAACACCCAGCATAACACACAACAAAAACGTTTGTTGGCCGCGC
ACGAGCGACCCCGAAAAAAAGGCTTTCTACAACCCAACTCGTTGGGGGGCCCAGCGGCACCCAAAGATGAA
TATGGCGACACGTGCCCACACAGCGGGTCCCAAGAGAACCCGTGCCGAGCCACTGGGCGCTGGTTTCCCCC
CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN
Table1 3239
NNACTATAGGGCGAATAGTAGCTGCACGCGCGGTGGCTGCACCGCGGCAGGCGGCCGAGGCACGC
GGGGGCTGATGCCATTTTCAGCCTCAGCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCC
ACTGCCTCGTGTTGTCTGTTGGCGCGCTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTG
CTTTGGCCTCATCTATAAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAATGTCCTGGAAA
GTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCATTGTCAACGGAA
TCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAATAAATATTTGT
TCATTTCTAAACACAGACCAAGAAGAAAAAGAACAAAGT
Table1 3240
NAACGGCCGCCGTGTGCTGGAATTCGGCTTAGAGCGGTCGCCCGCGCAGGTTCACCGTGCTCGGC
GAAATTATGACCTGGTCCCTGGTGTCTACAGTGCACATGGGAAGCCTAACTGGTCTGCGCCTGGCAACATG
AAGCTACCATATGGTATGTGAAACAGATGTTCACTAATCTCTAAGGCTAACCAGAAGCTCTGATTTGAAGA
GAATAAATGGATTTTGCACAAAACCACAGGAAAAGTCCCCGGAGCTCCATCCCGCACTTACAACAGAGTGC
CTTTACACAAACCTACGGATTGGCAGAAAAAGATCCTCATATGGTCAGGTCCGCTTCAAAAAAGGAAGATG
AAATCCCAGAGACTGTCTCGTTGGACGAATGCTTTGATGCTGCAAAGAACAAGATGCGAGTGAAGATCAGC
TATCTAATGATTGCCCTGACGGTGGTAGGATGCATCTTCATGGTTATTGAGGGCAAGAAGGTGAGAAGGGG
TTTCTTCTCTATCCAGTATGTATGTTCTCCACCAAGAACCTAGAGTAAATCAGGGATTGACCCTTGTATTT
ACCCTCTGAGAAGAGGAGGCTACTTTTTACATTACATGAGAAAAGATAAG
Table1 3241
ACGCGGGAGTGACGTCTGCCAGGAGCCAGAAGACAGAACCTCTAAGTGGCTCTGGGGACCAGCCA
CTCTTCCGTGGAGCTGATCGATATGACTTTGCCATCATGATACCTCCAGGAGGCACGGAATGCTTTTGGCA
ATTTGCCCACCAGACTGGATACTTCTATTTCAGTTACGAGGACGGCACACACAAAAGGTGCAGAACAATATCT
TTCACATGTGGCGATACTACAACTTTGCCCGGATGAGGAAAATGGCTGACTTTTTCCTTATCCAATCAAAC
TATAACTACGTGAACTGGTGGTCGACAGCCCAGAGCCTTGTTATTATTCTTTCTGGGATCCTGCAACTGTA
TTTCTTGAAGCGTCTCTTCAATGTTCCAACAACTACAGATACAAAGAAGCCAAGATGCTAAGCTAAGGTGA
N
Table1 3242
CACGCGTCCGCATGTGCGGTgattaCAGCTTGagtATGAGGGGGAACTCCGAACCATGTCTagat
tgtGATCTCTTTATCCTGTTTCCCTTCCCTTTATATCCACAGGACGTGGTGGGTCCTCTGGTGCGAAATTC
CGGATTTCCTTGGGTCTTCCGGTAGGAGCTGTAATCAATTGTGCTGACAACACAGGTGAGGTCTTTGCACG
TTGCTATACTCCCCCTTTTAAAAGCACTCAATGGGCCTGTGGCTAATGACCTATTGAGCCGTCAAGAAAGG
GGAGAGTGAAAACATCGCTTTTGGGTGAAGTGGCAACATGTGTTGTTTGCTTCAATCGGTGGTGTGACAAG
GCGTTCTTGCGGACTAACTGCTTGGGCAGTGAGTGGAGGGaggggcTTTGgaagTGTTTggGAAATGTTAT
ACTGATGgaacggCCTGATgGCCCTCaacatttTTtatttttATTtacatTCTTttggAGGAGCCAAAAAC
CTGTATATCATCTCCGTGAAGGGGATCAAGGGACGGCTGAACAGACTTCCCGCTGCTGGTGTGGGTGACAT
GGTGATGGCCACAGTCAAGAAAGGCAAACCAGAGCTCAGAAAAAAGGTACATCCAGCAGTGGTCATTCGAC

Table 6
514/3331

AACGAAAGTCATACCGTAGAAAAGATGGCGTGTTTCTTTATTTTGAAGATAATGCAGGAGTCATAGTGAAC
AATAAAGGCGAGATGAAAGGTTTTTATTTTATTTTATTTTATTTTTTTAATGCAGGTTCTGCCATTACAGG
ACCAGTAGCAAAGGAGTGTGCAGACTTGTGGCCCCGGATTGCATCCAATGCTGGCAGCATTGCATGATTCT
CCAGTATATTTGTAAAAAATAAAAAAAAACTAAACCCAgAAAAAAAAAAAAAAACAAACAAAAAAAAcAcga
aaaccttgttcgggaccgccgagcgcaCCAAGGAAAaagcgtgtttgagaaacacatcgtggttggggagg
cgagggccaccgcgagaagtaagatgcaccaacgtgggcccatcgagtgtggacgtccaaGAAGACagacg
ccgtgggaccaatgcacaactggtgggttgcgtgttctccgcccagatagaaagagagccccgtggggata
cccgccacagggcttgtagaaaacaaaactaccagacagagaggggctgntaccgtgcaggcacaaaatac
agtgggagagcatcaataaaacaaaggggcgggaccacacaggagcgaccgtcgaataatacaaaaactaa
acgacccagccgaaaggtgggggaataactgatcccagtagcgaagacaatgacaagcaagtagaaatagt
caagacatatgatcgaaagaacagcaacaaatcagatacgaacaagccagaccatgagagatcaaacgatc
aagaagcaacagacagacacaaaagaatagaaagagacaagcgagacgacgaaagacgcaagaaacggaag
agacagagaagcagagaagagagaagagaaggaggagagagagacgagacaggacaacaaaaggagagaga
aagacaaaggagcaaggcaagggatactataacagccagatcagagaaacgacgagcaaagaacgcagaaa
cagaacgagcataagagaaagaagcggagcaagagacagagcaagagcaggagcaagacacaggacaccaa
agaagaaagatgaacaaggagagaagaaagacaagaaaaaaagagagagacgaaagaatagaagaagacga
agagcagagcaaga
Table1 3243
GgtggcgGCCgctTTTTTTTTTTTTTTTcctTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTATTTTTTAAAACCAGAACATTTATTGCATGACTAATCGTTGACATTCTTAAGA
TGAACTGGATGCTGCAACAGCTGCCCTCTTGGGTTTAGGTGTTGTTCCTTCACGGAATCCATGCCTGAATC
TGCGGTATACAATTTTTAGGTGCCTCATTCGACCAGTTCCGGTGGTATTTCGTCTTTTAGCCTTGGCACTC
CAGTTATACTTTCTCTGGTCTCGGCCGCAGAAGCGAGATGACGAAGGGAACGTCATCGTTTGGAAAGCGTC
GCAATAAGACGCACACGTTGTGCCGCCGCTGTGGCTCTAAGGCCTACCACCTTCAGAAGTCGACCTGTGGC
AAATGTGGCTACCCTGCCAAGCGCAAGAGAAAGTATAACTGGAGTGCCAAGGCTAAAAGACGAAATACCAC
CGGAACTGGTCGAATGAGGCACCTAAAAATTGTATACCGCAGATTCAGGCATGGATTCCGTGAAGGAACAA
CACCTAAACCCAAGAGGGCAGCTGTTGCAGCATCCAGTTCATCTTAAGAATGTCAACGATTAGTCATGCAA
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TCAGTGAAATACTGTAGGTTTagGGACTGGGCTAGCTTCATATCAGATTTACTTGTTAAGTGACTGTTTTG
GAATGTTTACTTTTGGACTGGGTTTGTAACACGGTTAAAGGCAATGAGAAACAAGCAGAATTCCAGGAGTC
CTTGAAGCAGAGGGCACTGGAAGACAATATAGCAGATTAAAATAGCACAGCTCATGTGGCATAGGTGGGTA
TTTTAGATGTTTGAGTAAATTTGAAAGAGTATGATGTTTAAATTACCTTTAGCAACATGTTCATCTGCTAT
GCTGTCATGACTAGGGGGATGATTATTAGTCACATAGAGCTTGGGAGTACCACTGGAAACGTATGGGTAGG
AGTTTAGGTGGCTTCTGTTTTTCAAAAGATGATCTTATCCTAGTATCTGTAATGCTCACTTGGCACACCTG
ACTTGTGGGCTGTGTGTAAGGTGGCTAGCTAAGTGAAAAAAGCCTGCTAGGTGTGAGTCAACTTAAGAATA
TGTAAATAGGTTTGAGAAAAAGTAGGGCTTGGGTGCAAGTAAAGATTGAGCAGGAAATAAAGGAAAATCAA
GTATAATCCCTGAGATTTGTAGACTAAAGGCAATGATGTGGGACTACTTGGTCgaatttttttagccctca
acttggttattgggtgtttctgtgtcaacgcactgaaacttgctgtcgtgccttcctagttttcgtggttt
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AGGGCAGGGGCAGTTGAAGGGAACATGAATTGCTGGAACAGCTACATAAAATAGTGATGTAGCCAAGTCAT
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ATCACTTTTACTTGTAACCTGGAATGGCTTTATAATGTGCTAGCTAATTGCTACTCTCATCTTGTATTTTA
ACTCCTAATTTACCCTTCAGGTCTCAGCTTCAGAACATTCACTTATAAAGAAACCCTGCTGATTAAATCTC
TCTTGGGCTTCCTCCCGAAATGTGAGACTATACTTTAAAGATGTATGGTTAGAGTCCAATTGCCATTgcct
tTCTTGTTTAcagaTAGTGCAATGGCGCAATCCTGgCTCACTGCAGCCTCTAATtccTGGGctcaagtcaa
gtggttCtcctgcctcagccttctGAGTAGCTgggACTgcaGATGCAcaccaccacACCTggctg
Table1 3246
NNNNNNNNAGAGTGTAGGTGGATCATCAGAATGTTCTGCTGACGGTTTTAATGCATGTCTCACAA
ATCATAGAATTAGACTCATCCAGTCAGCTCTTACCATCTCTAAGCTTAAGACGGATTCTAAATTCTAATGG
AGACAGTCATATTTTAGCAGCTGGGAAAATAGGAAAAGGAATGCTCTACTCTTTGAGGTCATAAATCTACA
ATCAGTCCAGTTGTCATAAAGATAGGATCCCAAAGAAAACAGTTTCAACAACTGCATGCATGGATCTTGAA
TGCCGGTGTGCAAGGGCTGGGTGGGAATGAGGTTGCTTTCAGAGCCTATACGAGGAGGAATACTGAGGGAA
TACTAGACATTTCTTTTGTAGGTATTTTGTGGGGAATGAAAAGATAAGATTCCCAAGCCCTAAGAGCCTTTC
CCTAAATTCTCTAGGTGTGTGTATTTTCAGGGAAGAGGAAAATTTTAAATCAGCAGCCTACTTCAGCATTC
TCATGAAACTGAATTGCAACTAGCATTTCAACTAGGTTAGGATTCCTTTTGGTATGTGGAGGGGGAAAGAT
CTGTACAAAGAGAAGCAGCAAAATATGAAAAAAGGCCAGAGCTGTATTCTCCCCAGTGGCTAGCCTAACCA
ACCCCGGAGTGTCCAGACCTAGGAAAAGAAAAGGCTAACGGTCCTGGGGCTCACCCAGCACAAGTGCGAGC
CTCAAGGGCACGAAACAGCTTACAAAAGGCCATTTGGTACTATGTCTGGTGCTGGTATTCTTGTAGACTCA
TTCTTGATCATATAATTGAAAAAAGACCTCTGCAAGTGATGGGGGAGAAAAAACAAACCCACATTCTAGGG
AAAGGTGAGTTGGTGACTCAGCAGCTCCCGTCTAGTGTGACACTTCTGGAGAAGAGTAGGGGGCCATGGT
Table1 3247
TCGAGCGGCCGCCCGGGCAGGTACGCGGGGCAGAGAATCCTCCACCACACACAGCAGGCACTATC
TGCCACAGTTCCTTTCCCCGATAGCTTCAAATTCTCTGCCTTTTGAAATAAGCCTACTTTTAACTGGAATA
AATAATTGGTCAATCTCTACCTCAGGTGAAGAGGAACCAAGCCTCTGGAAACACTTAGGAACAAACTGTAA

Table 6
516/3331

ATTACAGATATGAAATAAAGACCTATTGATTTGACTTACTTTTACTTGTAAAACCTTCTGAGTGTTATAAC
CTCATTTAATCTTTCAGCATTTACAGTTTCAAGAGTTTGTGTCACAATTAGAAGAATTCAGCTGCACCTCC
AAGTGACAGCAGTTGCTCTGGTTGGTGGGTGATCTCAGGAGGCTTGAGAATTGCTTTGTCTGTGAGGGAAG
TAAGACATTTTCAGAGCCCCACTTTAGAAGGTGTGAACTGGCTAGATAATGAACCCCAGGGCTAACGCTGC
TATAGCAGTGGGAAGGAGGTGATGGGTTTTCAGTTTGGACCTCAAACATCAATACCCTCCTGGTACCTCGG
CCGGCCCCGCGGGGGAGCTCAATTGCCCTATAGTAGN

Table1 3251

AGGTACCTTGCTTGGTCACTCAGTGCTCATGGGGATTGTTAGAAGCTTTACTTTAGATCCCACTT
CTGATGCCATCTTTCAGTCCAGAGGAAATAAGCATCCTTCCATGCAAGGGGTACTTTTTTTTTTTTTTTTT
TTTTTTTTTTGCTTGTTTTTATCTTTTGGCCTTTTGGTGACTTGGTGCTCCTTGGAGTCACTGGAGTTCTA
CTTTGAATCCCACTCTGACATCAATCGACTGCCTTAATTCCTGGTCCAGCTGCCCGACCCTGACTCTCTCC
CGCTCTTTTCCTCAGGTCGAAGGTTTCCTTTAAGATCACGCTGACGTCGGACCCACGGCTGCCGT

Table1 3252

ACCACACACCCTCCACTACTCATCACCAGACAGGGAACCCTGGCTTGGGCCCACAGCACAGACCC
TCCATCCTGGGCTGATTACACTAAGTGATTGCTAACTCACATGTCTCTGGGATGGAGCACCCAGGAGACAA
GCAAAGTGGTGGAGCAGCAAGTCAGGTGATGTGGAGCCCAGAGGGCAGGGACAGCTATCTCTCTAGGCTCC
ACTTGCCCTTGTAGACACTTTGTCTCAGCACTCCTTAGTCTGCTTGCCTCTCCCAGGGCCCCAGCCTGGCC
ACACCTGCTTACAGGGCACTCTCAGATGCCCATACCATAGTTTCTGTGCTAGTGGACCGTACCTGCCCGG

Table1 3253

GAGACCAGGTCTCACTATGTTGCCCAGGATGGTCTCAAACTCCTGAGCTCAAGTGATCCTCCCGC
CTTGGCCTCCCAAAGTGCTAGGATTACAGGCGTGAGCCACCACACCCAGCCAAGTTCCATCCACTTTTGAA
AACAAGACATTTATGTATAGGAAGAGAATTATGGAAACACTTTGTAAAACATCCATTTATTATATCCAATG
CTAAACACTACCACTTGGACTCTAAGATATGTTTATGCCTCTCTGTTTATTCTAGTTTTTTTAAAAATCAAA
TATATATACCTACGGGCATAAAACCTCTATCGTTATTACTTTTATGTGTTTAAACAAACCCCTACACTTTG
AGTCTAACTTTCTACTCATCTGAGCTGTTTTCTACTTTATGAAAAAGTGGCAGACTGGGATTAAAATTTGG
TCTAATACAAAACCTCANN

Table1 3254

NNNNCGATTGAGCTCACCGCGGTGGGCGGCCGCCCGGGCAGGTACAGCATGGCTCAAGGCCTCAG
GCAAACAAAAGCACTCTTACCAGATAGAACATTATGAGAGCTCAGTTCCCAGAGCTGCCCAAAGGCTAGTC
AGGAAAACAGGACCTTCTGGGGAACTTACAGAGTTTGAGCAATAGGCCTGTTATGTCAACCCCAAGCAGAG
TGGATGAAGACAAGGCAAGGGACAGGCTGACAGCTGATTCCTGGGTTCCTCTGATGTTTACAGGAGAGATC
AAGCAAAGGAGACAAAAAAAGGACTGTTTACACAGGGGGAAACCAACACTGAAAACTCCTGGAAATGAAGA
GTTTTCAGAATGCGTTGTTGCTATCCTTGGAGCTGAATGGCTATCATAATGATGATTACATTAATTCAGAT
TTTAAAAATTAATCATTAGATGTGATACAAGAGACCGGAATTAGGATCTTAAGGGTTGCACTCAGTANN

Table1 3255

NNNNGGAGACAGAATCTCTGTCACCCAGGCTGGAGCGCAGTGGCGAGNTCCTCGGCTCACTGCGA
CCTCTGACTCCCGAGTTCGGGCGGTTCTCCTGCCTCAGCCTCCCGGGTTGCTGGGATTGCAGGTGTGCACC
ACCACAGCCTGCTAATTTTTGTGTTTTTGGCGGAAATGGGGTTTCACCAGGTTGGCCAGGCTGCTCTCATA
GACTTCTGGCTATTTTAAAACCATAGATTAAGGAAGGATTATTATAAATTGCAGTTCAAGCTTTTTTTTTA
TCTTAGAGCACTATAACTGAATGTCTTTGTTGTATCATTGTAAACACAGCAATAAATATGCAGTTCTTCCC
TCCCTTTTTCTCCACCAGATGTTAACAGGGAACGACATGAAGACTTTTACGCAGAGCTTAAAACAGTCAAC
CCTCTCTGTTCTTACAAGTTTTTGCCCCATCAATGGCTAAATAAAAGATGTTGAAAACTGTGGAAAAAAGT
AGAATGTATTTAATTAGCAAACATTTGATGAGTGGTATCATGCTATCGAGTTGGAATTTAAGGAAGGGAAA
TTGAAGATGTGTTAGATGTGGTGGTTTCTTCCTCAAGAAGCTCATGGTCTAATGGTCATGCTAAAAATGTG
TATCACTGAGTAATGTGGTAGCTATCAGACTTAAAGCACTGTAGGCTTGGCATGGCGGCTCATGCCTATAA
TCTCAGCACTTCGAGAGGCTGAGGTGGGAGAAAAGCTTTAGGCCAGGAGTTTGAGATCAGCTTGGGCAACA
CAGTGAGATCTCATCTCTANNNNNNNNNNNNNNNNNNNNNNNN

Table1 3256

NNNNNNNNCAAATTCTCTTTTATTGCTTTATGTCCCTGACTCATGCAGGCCAAAGGGTGAGGAGG
AGTAATAGCCAACAAGAGCGTCCTGCAGAAAGAAACAGGCTGCGTGGGTCCGGAGGAGCTTGAAAGGAAGA
ACCCGACCAAAGGGCAGGAGACCCGGCTCTCCAGGTCGCGGAGGCGTGGGTGCCCAGCCAGGCGGAGTGCG
GGGCGGGGCCTCTCGGGCCGCAAGGTGGGGCCTCCTGGGCCGGGAGGTGGGAGGTGAGCTCCGCCAGCCCA
GCCCACTGCAGACAGGTTACCCAGGACCTCAAGGTGTGCTGCGTCACCCCGCCCGCGCTGCGCTGATTGGT
TCCTCCAGGGAGCCCCCGCCCCCTCAGCTGTAACCGGGCCGGCTTCAGTGTCGCCGCCATCTTTGTTGATG
TGTCAGCTCCGCAGGGGTTGGGGAAACGGCCGCTGAGTGAGGCGTCGGCTGTGTTTCTCACCGCGGTCTTT
TCCTCCCACTCTTGGCTGGTTGGACCCCGCTATGGAAAAGTTGGCCCCTGAGCCAGAGCTCCAGCAGCCTT
GTTAGGGCGTGGCCTGAGGCTTGGATAAGTGGGATGTAAAACGAAGATCAGGAGCAGATTTGAAGAATTAC
AAAGTGAATTGGTGCCAGTCAGCATGTCAGAGACAGACCACATAGCCTCTACTTCCTCTGATAAAAATGTT
GGGAAAACACCTGAATTAAAGGAAGACTCATGCAACTTGTTTTCTGGCAATGAAAGCAGCAAATTAGAAAA
TGAGTCCAAACTATTGTCATTAAACACTGATAAAACTTTATGTCAACCTAATGAGCATAATAATCGAATTG
AAGCCCAGGAAAATTATATTCCAGATCATGGTGGAGGTGAGGATTCTTGTGCCAAAACAGACACAGGCTCA
GAAAATTCTGAACAAATAGCTAATTTTCCTAGTGGAAATTTTGCTAAACATATTTCAAAAACAAATGAAAC
AGAACAGAAAGTAACACAAATATTGGTGGAATTAAGGTCATCTACATTTCCAGAATCAGCTAATGAAAAGA
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Table 6
517/3331

TCAGAGGATTTGTTGGAAGAAATAGAATCTGAGCTCTTATCTACGGAGTTTGCAGAACATGGAGTTTGGGG
ACAGGTTGTGGTGAAGGTGGGAAAATGGGGGGCTTTAAGGTTTAAAAAAGCCGGGTGGATTTGANNN
Table1 3258
acccacGCGTCCGCACCccggGAGCGGGCTGCGCAGTGTCCGGGGCCGAGCCGGTGCGCCGCAGA
CTAGGGCGCCTCGGGCCAGGGAGCGCGGAGGAGCCATGGCCACCGCTAACGGGGCCGTGGAAAACGGGCAG
CCGGACAGGAAGCCGCCGGCCCTGCCGCGCCCCATCCGCAACCTGGAGGTCAAGTTCACCAAGATATTTAT
CAACAATGAATGGCACGAATCCAAGAGTGGGAAAAAGTTTGCTACATGTAACCCTTCAACTCGGGAGCAAA
TATGTGAAGTGGAAGAAGGAGATAAGCCCGACGTGGACAAGGCTGTGGAGGCTGCACAGGTTGCCTTCCAG
AGGGGCTCGCCATGGCGCCGGCTGGATGCCCTGAGTCGTGGGCGGCTGCTGCACCAGCTGGCTGACCTGGT
GGAGAGGGACCGCGCCACCTTGGCCGCCCTGGAGACGATGGATACAGGGAAGCCATTTCTTCATGCTTTTT
TCATCGACCTGGAGGGCTGTATTAGAACCCTCAGATACTTTGCAGGGTGGGCAGACAAAATCCAGGGCAAG
ACCATCCCCACAGATGACAACGTCGTGTGCTTCACCAGGCATGAGCCCATTGGTGTCTGTGGGGCCATCAC
TCCATGGAACTTCCCCCTGCTGATGCTGGTGTGGAAGCTGGCACCCGCCCTCTGCTGTGGGAACACCATGG
TCCTGAAGCCTGCGGAGCAGACACCTCTCACCGCCCTTTATCTCGGCTCTCTGATCAAAGAGGCCGGGTTC
CCTCCAGGAGTGGTGAACATTGTGCCAGGATTCGGGCCCACAGTGGGAGCAGCAATTTCTTCTCACCCTCA
GATCAACAAGATCGCCTTCACCGGCTCCACAGAGGTTGGAAAACTGGTTAAAGAAGCTGCGTCCCGGAGCA
ATCTGAAGCGGGTGACGCTGGAGCTGGGGGGGAAGAACCCCTGCATCGTGTGTGCGGACGCTGACTTGGAC
TTGGCAGTGGAGTGTGCCCATCAGGGAGTGTTCTTCAACCAAGGCCAGTGTTGCACGGCAGCCTCCAGGGT
GTTCGTGGAGGAGCAGGTCTACTCTGAGTTTGTCAGGCGGAGCGTGGAGTATGCCAAGAAACGGCCCGTGG
GAGACCCCTTCGATGTCAAAACAGAACAGGGGCCTCAGATTGATCAAAAGCAGTTCGACAAAATCTTAGAG
CTGATCGAGAGTGGGAAGAAGGAAGGGGCCAAGCTGGAATGCGGGGGCTCAGCCATGGAAGACAAGGGGCT
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CTCACAGCAGCCGTGTTCACAAAAAATCTCGACAAAGCCCTGAAGTTGGCTTCTGCCTTAGAGTCTGGAAC
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GCAGAGAACTAGGTGAATACGCTTTGGCCGAATACACAGAAGTGAAAACTGTCACCATCAAACTTGGCGAC
AAGAACCCCTGAAGGAAAGGCGGGGCTCCTTCCTCAAACATCGGACGGCGGAATGTGGCAGATGAAATGTG
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TGAATGATTGCTGTTTTCCTCTCACTCTCCTGTTTATTCACCAGACTGGGGATGCCTATAGGTTGTCTGTG
AAATCGCAGTCCTGCCTGGGGAGGGAGCTGTTGGCCATTTCTGTGTTTCCCTTTAAACCAGATCCTGGAGA
CAGTGAGATACTCAGGGCGTTGTTAACAGGGAGTGGTATTTGAAGTGTCCAGCAGTTGCTTGAAATGCTTT
GCCGAATCTGACTCCAGTAAGAATGTGGGAAAACCCCCTGTGTGTTCTGCAAGCAGGGCTCTTGCACCAGC
GGTCTCCTCAGGGTGGACCTGCTTACAGAGCAAGCCACGCCTCTTTCCGAGGTGAAGGTGGGACCATTCCT
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TCAAAGACGATATCACGGTCTACCTTAACCAAGGCACTTTCTTAAGCAGAAAATATTGTTGAGGTTACCTT
TGCTGCTAAAGATCCAATCTTCTAACGCCACAACAGCATAGCAAATCCTAGGATAATTCACCTCCTCATTT
GACAAATCAGAGCTGTAATTCACTTTAACAAATTACGCATTTCTATCACGTTCACTAACAGCTTATGATAA
GTCTGTGTAGTCTTCCTTTTCTCCAGTTCTGTTACCCAATTTAGATTAGTAAAGCGTACACAACTGGAAAG
ACTGCTGTAATAACACAGCCTTGTTATTTTTAAGTCCTATTTTGATATTAATTTCTGATTAGTTAGTAAAT
AACACCTGGATTCTATGGAGGACCTCGGTCTTCATCCAAGTGGCCTGAGTATTTCACTGGCAGGTTGTGAA
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GTTCCCATATAGCTTCAAAAACAAAAACAAATGTGTTATCCGACGGATACTTTTATGGTTACTAACTAGTA
CTTTCCTAATTGGGAAAGTAGTGCTTAAGTTTGCAAATTAAGTTGGGGAGGGCAATAATAAAATGAGGGCC
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AATTACCACATTTGCCTTCCCTTCATCAGCTAACACTTATCACTTATACTACCAATAACTTGTTAAATCAG
GATTTGGCTTCATACACTGAATTTTCAGTATTTTATCTCAAGTAGATATAGACACTAACCTTGATAGTGAT
ACGTTAGAGGGTTCCTATTCTTCCATTGTACGATAATGTCTTTAATATGAAATGCTACATTATTTATAATT
GGTAGAGTTATTGTATCTTTTTATAGTTGTAAGTACACAGAGGTGGTATATTTAAACTTCTGTAATATACT
GTATTTAGAAATGGAAATATATATAGTGTTAGGTTTCACTTCTTTTAAGGTTTACCCCTGTGGTGTGGTTT
AAAAATCTATAGGCCTGGGAATTCCGATCCTAGCTGCAGATCGCATCCCACAATGCGAGAATGATAAAATA
AAATTGGATATTTGAGAAAAAAAAAAAAAAAAAACTGCGGCCGCAAGcata
Table1 3259
NCGTCCGGCTACAGTAGTTGTCTCTGGATAAATTAATTATGATTGTAGGAAAAACAAAGATAATG
AAAAAATTTCAATGAATTGGTATTTTTTTTAATACACATTATATACTTTTTTAACATAAATCTTATTTAAA
GGTACTTTAAAGTTTTTGGTTAGCAACTGTTTTTGTCTGTTGTGGGTAGATCCATTCTACCTTCAGCCTTC
GGGTCCTACAGTTAGGCTCTACTTCCCTGTCAGCTCGCCTCAGGTGGGGATAGTCAGTGGGACAGCAGGTG
CACATCCTGGCCAGGCCTCCTGCACTGCCCTGAAGGGCCACCCTGGTGGCACTGACCGTGGATGGCCTGTG
GTCGTGGCCCTTTCTCCTTTCTCTGTCTCATGTCTTGTCTGTATGCTGCATGTTCTTTGAAGATTGCCTCT
TTTTAATAAACTTATTTTTTTAATGATAAACACTTATTTAACAGTTTAATGTTTATGTTTCCTTTTTACTC
ATTAGGGTGAAAATGGGATGGAGGATTGTGTCATGGCCCTAGAAACCTTGTTTAGTGTTCTGCTTTCTCTT
TGCAGACTTATGGCTCCCTGCACACCTTTTCTCACTGAATTGATGTACCAGAATCTAAAGGTGCTGATTGA

Table 6
518/3331

CCCTGTTTCTGTTCAGGACAAGGACACACTCAGCATTCACTACCTCATGCTGCCCCGCGTTAATTAATTCT
AGAAGACTTTCGAANNNNNN
Table1 3260
GCGTCCGGGAAACCCCGTCTTTACTAAAAATACAAAAAAATTAGCCAGGTGTGGTGGTGGGTGCC
TGTAGTCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATCTCGAACCCAGGAGGCGGAGGTTACAGTCAGCT
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AAGAAGAAAAGGAATGAATTAGAACTTCTTCTGCTTGGACTTAAGGGCATCATCAGGCAGGTTTTGGGTAG
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CCGGGTGAATGAAATGGGGATAAAAATAGTGTTCAAACCTATCCGTTGGTTTGTGTGAAACTGAAATGAAT
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CAAGTTCCCAACCCTCTGCACTGCAGGCTGCATGGCACGGAGGGTCTTGTAACACCAGCTGGGGCTGGCCT
TCTTTTAGGAGCTTCAGTGGTTCTGAAAACTTTTATTTGTTTGTTTGTTTTAGTAGATGTGGGGTCTTTCT
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CTGTGGGAGGCTGAGGCAGGAGGATCATCTGAGGCCAAGAGTTCAAGATCAGCCTGGGCAACATAGTGATA
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TTTCTGCGTCTTTTGAGATGAGTATCAGGTTTTTTTTTTTCCTTTTATCATCTGATGATGAACTTAATGTT
TCCATTTGTATTAATGGAATACTAAGTCCCTCTGTGATTTCTGAACCAAGCTATTCCTAGGCCTGAGTTTT
ATTTTGTTGACACAGAAATAAATTAGAAAGCCAAGCGTGGTGGCATGTGCCTGTAGTCCTAGTTGCTGAAG
TAAGAGGATTGCTTGANNNN
Table1 3261
ACTTCCAGGGAGACACCGATTATAAGAAGAGAAACTCAGCGCTGGGGAAGAAGACAAATAAAAAG
AAGTGTTAAGAATTGCCTTTGGGACTCTGAAGGCTGAAGAATTGATGAATTGCAAGTTTGTGCCCCATAGC
TGCACAGAATGTTTCATCATTACTAACAGGATATTCCTCATGACATTGCTGTCTGATCTTTGACCATCAGT
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CAGGGCTGAGCCCCAGCTGTCCTTGACAGGGTGTCTCTGCCAGCCTCTGCAGGGAAGCAGGACTGACCAAA
ATCAGCCCCGGGGCCCCCCTCTGGCTGCCCTGCAGTCCTGGTGTCACTGCCGAGTGCTCCGGGGAAAGGAC
TGTCAGGCACAATGTCACTGACAGAGTCTGTGGAGTTCTGGGGGCTGTTACAAGTCCTGGGCGTAAGTGGC
Table1 3262
ACGCGGGGGAAGTGGCGCGTCCCTTAGCAACTAAAGCTGGCAACTGGGAAATCGTCCGGTGCTGC
AGGTCTCAGCCGAAGGGCGTCGGAAACTGCGCTCGCATCGAGCAGTTTCCAGCCTCCTGGGTAAAGGAGCA
GTCTCCTCCCTTGCTTGGGACTCTGGACGCATCTCATTCCGGTGAAAGTAAGGGACAGCTTAGGACCAGAA
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CCAGATTGATAAAACCAAGCCTTTGTGGCACAACTATTTCTTATGTGGACTTAAAGGAATTCAGGAACACT
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AGCTCCAGTGCTTTGGTCTGTTGTGCTGGCTTGGTGACGCTCACAGTGCNNNNN
Table1 3263
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TCTGGGCCTTTTTTTTCATAAGGCTAAAAAACCCAGTAGTCTATGCACATTTTTAAATATGATGCTCCAGCC
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GTGAGCACAAN
Table1 3266
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AGTTTGGTAAAGGATAACTGTAGTTATTTTTTAAATAAAATGATTCATTAGAATTCTTTGGTTCTCTCATG
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Table1 3268
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GGATTTTAAAGGAAGATCTCAATGGTGGAACACTAGAGGCTTTCCTGCTAAAGTTAAGAACAAGCAAAGGC
TGACGCAGTTTTGGCATACAGGAAGTGTTGGAGCTGAGACTCGAAACTGTCCCCCAGGCCTTGGCCATGCT
GATAAATATCTAGGCCCTACAGGAGTTCGTGTCCATGAACCCAGTAAACGCAATTCCTCAG

Table 6
519/3331

Table1 3269
NAGGTACCCCCATTCTCTGATTATAAACAGATAAACCCAAATGTGGATCATCCTTGGAATACCCC
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CCTAACTTCTGAGTTCATCTCTGTCTCTGCTTTACAGTCTTTAATTTTTTGTTGTTCCTTCATTTTTTTCT
TTTTAATAAGACATAGCAGAATTCCTTAGGTATGGGATTTATGAGACCAGT
Table1 3271
ACGCGTCCGGCGGGCGGGGGCCTCTGGTAGCCCTGGGGACGCTGTATCTGTGGGCTCTTGAATCG
CGTCACAAATCAGCGACCGAACTCTGGCGGTGGTGGTTAAGACGGCGAAGGCGGCAGCGGCGGCGACAGCT
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GATGAAATCCTAAGTAGTGCTTTCAAATTGCGAATTACTCGAGGAGATATTCAGACATTAAAGAACTATCA
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GTGGGAGAATGAAATGTGNN
Table1 3272
NNNNAGTCGACCACGCGTCTGGACTAGGCTGGGCAACATAGCAAGACCCCATCTCTACAAAAAAA
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CAAAACCTGGTTTCCTAAGGGGGGGATAAAAGAGGGAGAGATGAGATCGGGGTGTCCCGCTTCTGTGCATG
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Table1 3273
TCGACCCACGCGTCCGCTCACAGCCCAGCCCCCTCCAGAGCCCTGCCCCACCGCACCCTGCTTCT

Table 6
520/3331

CCAGGGCCTAGCAGACCAGCATCTGCCCCGGTGAAGGGATGGATCAGCTGTGGGGGTGGGTGCAGAAGGTT
GCCACCTCCTACCTCAGCGGGAGTCACCTAGGAAAGATGGAGGGATTGACACTATTTTCTCAATAAAATGG
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TTCTGGAAGGGATTTAGACGGGGCTGAGTGCTAGGATTAAAGTGGGGATGGGAGTACGGCAACAGAAAAAC
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CTTAAAAAAAAAATTGGTGCGGCCGCAAGCTTATTC
Table1 3274
NNNNNNNGATTCACACAGTAAAGACAGTTGCCAAAGTAATCTGCAATGAGGAAATCAATGAAGGA
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AACAAAAATCAAACAGAAAGAGCTTTTAAGTGAAAAATTAGATCTTATAAAAGGACCATGTAATTTTAAAT
GACTCTAAAGAATTGTATTCCAGACACCTGAATGATTGATGGGATTAATACACGAGATGGGTATTGGGATA
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AGAATTTAATTGTAAAATCTTATAGAAAAATATGGAAGAAGTCAGCTACACAGAGACAGCAGTTGAAAATG
AATCATTCGGCTGGGCATGGTGGCTCACGCCTGTAATCCCAGCACTTCGGGAGGCCAAGGCAGGTGGATCA
CTTGAGCTCAGGAGTTCAAGACCAGCCTGGGCAACANNNNNN
Table1 3276
ACCTAAGTAGACACTTTTTGTCTATCTTTTCGTCTGCTAAAGAGAGAGCATTGTGTAGGAGCTCT
TTAGAGTTGCTCTTAGAAGCATACTTTTGTGGAAGAGTGGGAAGAAATAATCATAAATTTATTTCACAGTT
GATGTGTGACTACTTTTTCAAGTGTATGACTTGTAAAAGTGGGATTGGTGTATTTGAGTTAGTGGATGACC
ATTTTGTAGAGTTGAATGTTGGTGTCACTGGCCTTCCTGTTTCAGATTCCAGGATCATAGCTGGTCTTGTG
CTTCAGAAAGATTTTTCtGtGTACGCGGGGAGCCAAGGAGGGAGGGTCTTCCTTTGGCATGGGATGGGGAT
GAAGTAAGGAGAGGGACTGGACCCCCTGGAAGCTGATTCACTATGGGGGGAGGTGTATTGAAGTCCtacaa
ACAACCctCaGATTTGGTGATTTCCTAGTaGAACTCACAGAAATAAAGAGCTGTTATACTGCGAAAAAAAa
acaaaacc

Table1 3277
acacgaagcacacagcaatgacgaaaacacgccaaaagaatatcttccccttctagtgttttggt
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ggagctgagcaggagaatctcttgaacccgagggagagtttccattacagagatcacgccattgcactcag
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TACGAATAGGACTTGGTTGGGATTCGCTTAGCAGCAGATGGCTTTGCAGTTTCCAGGCAGCCCAAGgctTC
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GCATTCCTCGTCCAGCAGGGCCAGCACACCTGGAGGGTTGTTCGGTCGCTCGATGAGCTCGATGCAGGGCT
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GAACATCTCATCATCCTGGGCTGCTGGGATGGGCACAAAGCCATTGGAGAGGAAGGTGTAGTTGTTGAAGC
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Table 6
521/3331

CTCTCGTCTCTGGCTTGGCGAATTGCCCGTGATTTTTCTAGCAGATAGGTCTCAATGTTGGCTCCCACGAT
GTAACCCGTGACGTCGAAGTTGATGCGGATGAATTTGCCGAATCGTGAGGAGTTGTCGTTCTTCACTGTTT
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CCCTAta
Table1 3278
NACAGCAAATACTTCCGTAAAACAGACCATCAAGCTTTCCACTTAGAGCCCAGTGTGGCCCCAAT
ACCTTTCCTTGTCGCTCCTGCGTGCCAGTCCGCCTCCGCGTGGTCCGGCCGCTGCGCCACGCCCCCGCTCG
CCCCGCCCCTGGATTTGCTCCCTCAAAGCTGAAGTGAGGCCGGGCTGAGGCTCTTACAGTGGTCCCTGCTG
GCCCTTGGTGACGGGTCGCGTCAGTTCCGACCCGGACCCGTACGCTGCTGCGCTGACGTGGCTCCCGGAAG
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Table1 3279
cacagtaaagatacaatatgaatgtACTTATACCAGCTAAGCAGCAGTAAACTGAAAGTAAAAAG
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Table1 3280
NNNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
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Table 6
522/3331

CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
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Table1 3281
cgcggagcctggggaagcttttccagtagtactttccggcgtgttgaccctatttcccgtgctgc
accgcagccccttTCTTCCGGTTCTAGGCGCTTCGGGAGCCGCGGCTTATGGTGCAGACATGGCCAAGT
CCAAGAACCACACCACACACAACCAGTCCCGAAAATGGCACAGAAATGGTATCAAGAAACCCCGATCACAA
AGATACGAATCTCTTAAGGGGGTGGACCCCAAGTTCCTGAGGAACATGCGCTTTGCCAAGAAGCACAACAA
AAAGGGCCTAAAGAAGATGCAGGCCAACAATGCCAAGGCCATGAGTGCACGTGCCGAGGCTATCAAGGCCC
TCGTAAAGCCCAAGGAGGTTAAGCCCAAGATCCCAAAGGGTGTCAGCCGCAAGCTCGATCGACTTGCCTAC
ATTGCCCACCCCAAGCTTGGGAAGCGTGCTCGTGCCCGTATTGCCAAGGGGCTCAGGCTGTGCCGGCCAAA
GGCACAAGGCCAAGGCCAAGGCCAAGGCCAAGGCCAAGGATCAAACCAAGGCCCAGGCT
GCAGCCCCAGCTTCAGTTCCAGCTCAGGCTCCCAAACGTACCCAGGCCCCTACAAAGGCTTCAGAGTAGAT
ATCTCTGCCAACATGAGGACAGAAGGACTGGTGCGACCCCCCACCCCCGCCCCTGGGCTACCATCTGCATG
GGGCTGGGGTCCTCCTGTGCTATTTGTACAAATAAACCTGAGGCAGGAAAAAAAAAAAAAAAAAACAAACG
ACAAcccAAcagcaccaaaacAAAAAActcagaggccatacatgagacgggcagcagaaaacacgcgcata
acaaggggcacgtgcacaacagatgtcctcgaacccgcatgttggacacgggggaacacagcgggggaccc
cataaaaagggcggccgaacatacatcgagaaaccggggtacggaagacgcagcgaaacgacagcaagacc
acgagcccagcggccacacacgcacgcgccgtgtcgaaggtgcggtgcggggcactgacatgcagagggct
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tcgaccgtcacgcacgagacacagcgacatggaaccggcgagca
Table1 3282
cTATCGTTttgctACtACACTCcAcCcTGGACAaCTGACTGaggcCttCTATTTtccttTTTTTT
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CACCCCTGTAGTTCAGTTACTCAGGAGccTGAGGCGGGAGGATAGATTGCACCGTAGAGATTGAGGCTACA
GTGAGCTGTGATCGTGCCACTGCACTCCAGTCCGGGCAACATAGTGAGACCCTGTCTTAAGAAAGAAAGAA
AAAAAAGAATTCAGAGACACTAATATAAGTATGGTGGTGGGCAAAATGTGGTCAAATAGTGTTAGAAATTT
GTATCTTTTGTCTTTTTTGGTGCAGGTTTTGCAGACATTGGGTACAGAAACTTACCGGCCTAGTTCTGCCT
CACAGTGTGTGGCTGGTATTGCTTGTGCAGAGATCCCAGTAAACCAGTGGCCAGAACTCATTCCTCAGCTG
GTGGCCAATGTCACAAACCCCAACAGCACAGAGCACATGAAGGAGTCGACATTGGAAGCCATCGGTTATAT
TTGCCAAGATATAGACCCAGAGCAGCTACAAGATAAATCCAATGAGATTCTGACTGCCATAATCCAGGGGA
TGAGGAAAGAAGAGCCTAGTAATAATGTGAAGCTAGCTGCTACGAATGCACTCCTGAACTCATTGGAGTTC
ACCAAAGCAAACTTTGATAAAGAGTCTGAAAGGCACTTTATTATGCAGGTGGTCTGTGAAGCCACACAGTG
TCCAGATACGAGGGTACGAGTGGCTGCTTTACAGAATCTGGTGAAGATAATGTCCTTATATTATCAGTACA
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TTCCAATCCTCACACAGACACTAACTAAACAGGACGAAAATGATGATGACGATGACTGGAACCCCTGCAAA
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CATTAAAGAACACATCAAGAACCCAGATTGGCGGTACCGGGATGCAGCAGTGATGGCTTTTGGTTGTATCT
TGGAAGGACCAGAGCCCAGTCAGCTCAAACCACTAGTTATACAGGCTATGCCCACCCTAATAGAATTAATG
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AGCTGCCATCAATGATGTCTACTTGGCTCCCCTGCTACAGTGTCTGATTGAGGGTCTCAGTGCTGAACCCA
GAGTGGCTTCAAATGTGTGCTGGGCTTTCTCCAGTCTGGCTGAAGCTGCTTATGAAGCTGCAGACGTTGCT
GATGATCAGGAAGAACCAGCTACTTACTGCTTATCTTCTTCATTTGAACTCATAGTTCAGAAGCTCCTAGA
GACTACAGACAGACCTGATGGACACCAGAACAACCTGAGGAGTTCTGCATATGAATCTCTGATGGAAATTG
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ACTCTGTGCAACTCTTCAGAATGTTCTTCGGAAAGTGCAACATCAAGATGCTTTGCAGATCTCTGATGTGG
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TATTCTGTCTTTCATTGACCACATTGCTGGAGATGAGGATCACACAGATGGAGTAGTAGCTTGTGCTGCTG
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AAATCTCCCATCTTTTGAAAAACCTGGAAGTGAGGAGTGTGCACGGATGCTGAATGTTTGGGAATGAGAGG
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Table 6
523/3331

AAAAACAATGGAGTTACTTATTTAAAAAAAAAGAAAGAAAGTTATCTCTTCCCAGGAGAGGCTAGAAGTAG
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CCCAGAAAACAAGGGGTTAGATGTTGCATTTCATAAAACTAACCGAAGTTCTGTCTACTGATGCAGCACAA
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cagagggtgggggaccccccctggaagcagagtgagataagataacacaagcagactccgacacacaggttg
tcggcgcggcgcgccgcccggttacaaaaagaaaaacaaaaaacaaaaaataacacaagaaacaaagaaac
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gggcaagagggacgaaaagagaagagaacgagagagagaaagagagagagaacgcggcgaagagaagagga
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Table1 3283

NGGCCCCAGGTTACACTTATNCTCCGCTCGTTTTGTTGATTGTNGCGATACATTCACACGGAACA
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TTAGGTCTGTTAGAGGAAGACGACGAGTTTGAAGAGTTCCCTGCCGAAGACTGGGCTGGCTTAGATGAAGA
TGAAGATGCACATGTCTGGGAGGATAATTGGGATGATGACAATGTAGAGGATGACTTCTCTAATCAGTTAC
GAGCTGAACTAGAGAAACATGGTTATAAGATGGAGACTTCATAGCATCCAGAAGAAGTGTTGAAGTAACCT
AAACTTGACCTGCTTAATACATTCTAGGGCAGAGAACCCAGGATGGGACACTAAAAAAATGTGTTTATTTC
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AAGAGAGCCCCGGCAACGACGAAGGGGCGGGGGTCCCCACCAAATAAAAACACGGCCGGGGGGAGACCCCG
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Table1 3284

NNNACTATAGGCTGAAGCTTCACCATGGGCGGCATCTTTTACCCATACGATGTTCCTGACTATGC
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TCAAGACCAAATGGACTACTGTCAGAGGATGTAGGAATGGACATCCCCTTTGAAGAGGGCGTGCTGAGTCC
CAGTGCTGCAGACATGAGGCCTGAACCTCCTAATTCTCTGGATCTTAATGACACTCATCCTCGGAGAATCA
AGCTCACAGCCCCAAATATCAATCTTTCTCTGGACCAAAGTGAAGGATCTATTCTCTCTGATGATAACTTG
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GGTGCAACCCCAAGAAGGAGGATGCCAGGGCTAGGCTGGATGAAGAAATGCTACCAGATGATTGACAGACG
GTTGAGGAAGAATTTGAAATCATTCATCATTGTTCATCCATCTTGGTTCATCAGAACAATCCTTGCTGTGA
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CTGATCCCAATGGATTGCATCCACATTCCAGAGAGCATCATCAATATTGACTTGAAGCTGAAAGAAAAGCC
TTAGTTGGCCATGCTGGAAGAAGAGGATGCTTTTCTGGTTCATGGTTCTGTTGAAACATATCTACCTGAAA
GAGACAGGGCTGATGTTACCTTTTTCCACTTTGCACTACCTGGTGCCATTCTAAATTTCTAAGGGGAAAAA
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TGTTTCCATAGATTAGCTGGATTTCCTTTTGGTGATTGCATTAGGTTTAAAGTACACAGGTCTCAACTCTC
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Table 6
524/3331

CAAGGTGTAAAACCATCATCAGCTAAGTGCCCGTTTTGTTCTTGTTTACCAGAATCTCCTTTAACTTCTCA
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GGAGTCCTGGGTAGAAGGAGCTTGTAACTACTTTAAAGTCGACATCTTTGCACAGGTGATTGAGTTTCTCT
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TTCCTCCATAAGCCTCCATCGTTTTCTCTTTTCTCCTCTTGATCCTTTCAAGCGAGTATCTTGTTGAATTG
TATGTTCTGTTGGATCTCCTCCTTCATAACATCTGGCTTGTTGGACAGAAAAACCCTACAGCCCACCCCCT
CCCACAGCCCACCTCCACTTTTGAAAGCCCAAATTACACCTCTCCCAGAACACAGTGTTGACGTAAATACA
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CATGTACATTCACCCCAAGTAAATAGAATCCTAGATGAATCCTAGAAAAATAATCCCTAAGCAGATAGGTA
GACAGAGGTAAACATTCACATGATTTAGCTCTCTAGCTCTTGCACTCTGAACATTCTTGCTTTGGTTCTGA
CTTCTGGGAACTGCTTTGCATTTCTCCTATAGATCTGTAGTTAAGGGAACCAAGGGGTCATTGGGGCAAAA
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GGATTGCTCAGAATAAAGTGTCTGTTAGACTTCGTTTTGGTAAATAAATTCTCCATAATGTAGATTAATAA
TATAAAAGTCTTTAATGACACAATATATCTATATAGCCTCACTGTATAATTCAGAAATAAAAATTGATTCT
GCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANNNNNNNNNN

Table1 3285

NNNNACATTCGCGCTATCGGGTCACCCCCAAAGCTCCCCAACCACGTTCCCACCTTTACCCCCCT
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GTCATTGTCCAGGTCACGGTAGGTCATCACCCGCTTTATCTGGATGCTGGGAGGGGCTGCCACCTGCAAAA
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GCCCTGGAGGTAGCCAAGCTGTAGCGAAGCTCCTCGTCCAAGTCGAGCAAATCCTCCATCTCCCCCCTTCT
GTCGTCTTCTCGCAGGTGTCGACGCGGCCGCGAANN

Table1 3286

GCGTCCGATCCGGCATACAGAATACAGCCACGCTTCTCAAAGAATTGCTTTCTTGGAAAGTTTTG
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CCACTTGATTCAAGAAAATAACAGAGTAAAGACAAGAATATTTCTGCATGTTTTGAGTGAGCTTAAAGAAG
TGGAGCCCAAATTAGCCGCCTGGATCCAAAAACTTAATAGCTTTGGCTTAGATGCCACAGGAACTTTCTTT
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GTTGTTTAATATGGCTGCTAGAAGAACACAGAGACAAGTTCCCAGCATTGCATAGTGCTTTAGATGAATTC
TTTGATATAATGGATATTTTCACAGCATCATGGGAAAGATTGCATGTTACACTGACAGAATCTATTAACAG
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Table 6
525/3331

GCAAGAAAAAGAAGCCAAAGGATTCAAAGCCTATGTTAGTTGGGTCTGGAACAACTTCAGTAACTTCAAAT
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TGACCATCTTCGGCAAGATGTAGAAGAATTCGAAGCTCTCTATGACCAACACAGTAACGAATATGTTGTCC
GCAATAAGAAGCTATGGGACATGAACCCAAAACAAAAATGTTCAACTCTATATGATTACTTCTCTCAGTTT
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AACCCAAACCTGTGTCTGCAAATTCTCCCAAGCCAGCTTGTGAAGATGTGAAGGCCAAACCAGTATCCGAC
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ATTGGGCTCAATCCCATTTGGTCACAGGATACTGTACGTATCTTCCTTTCCAGAGATTTGATATCACCCAG
ACACCGCCAGCATACATAAACGTGTTACCAGGTTTGCCCCAGTACACCAGCATATATACACCCTTGGCCAG
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TGATTCCCCAGGGGAGGCTCCTTCTGCGCTGTTGCCAGGGCCACCCCCTGGTCAGCCTGAAGCCACTCAGC
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Table1 3287
NCTCGGCTCCGCTCCTCTCGGCCGGAGTGTGCTGGAATTCGCCCTTGCACTGTGACAAGCTGCAC
GCCCTGACTGGGCTCCTCCCCGGGCCCGCCCCGACAGGTTTGTCTTGTGACCGCGGGCGGCCGCTGCTTCT
TTCCCGAGCTTGGAACTTCGTTATCCGCGATGCGTTTCCTGGCAGCTACATTCCTGCTCCTGGCGCTCAGC
ACCGCTGCCCAGGCCGAACCGGTGCAGTTCAAGGACTGCGGTTCTGTGGATGGAGTTATAAAGGAAGTGAA
TGTGAGCCCATGCCCCACCCAACCCTGCCAGCTGAGCAAAGGACAGTCTTACAGCGTCAATGTCACCTTCA
CCAGCAATATTCAGTCTAAAAGCAGCAAGGCCGTGGTGCATGGCATCCTGATGGGCGTCCCAGTTCCCTTT
CCCATTCCTGAGCCTGATGGTTGTAAGAGTGGAATTAACTGCCCTATCCAAAAAGACAAGACCTATAGCTA
CCTGAATAAACTACCAGTGAAAAGCGAATATCCCTCTATAAAACTGGTGGTGGAGTGGCAACTTCAGGATG
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GGTGGCTGGTTCTCAGTGGTTGTCTCATGTCTCTTTTTCTGTCTTAGGTGGTTTCATTAAATGCAGCACTT
GGTTAGCAGATGTTTAATTTTTTTTTTAACAACATTAACTTGTGGCCTCTTTCTACACCTGGAAATTTACT
CTTGAATAAATAAAAACTCGTTTGTCTTGTCTCTGCAAAAAAAAAAAAAAAAAGGGTACTCCGCGCGGGAGT
TCGGCAAGGGCGCAGGTAAAGAGACCAGCCTCTGGCACAGAGGCCCATATACGAGATGACATCAAACACAG
CGACCTACAGCCGCCTAACCCCCCGCATCGCGAACACGCCCACCGGCACTCGTAACCAACCCCACCTCGCG
GGCGCACCCGAGCCCCCCCGGATCAGCGCCCGAGCATAAACAACGACACTGAACAAGCCCGACACGACGCA

Table 6
526/3331

ACTCAGCGATCATAAGACACCAAACGACGAAAGCCCAGCGACACGACCACCGACCAGCACACAGAACGCAG
ACAAACCGAGAGAACAGTCANN
Table1 3288
NNAATTTACACGGACCACCGTGCTAAAAACGGGCCCTGAGTTTATGGCCGGGTAAATTTACCGGG
CGGATCCCTGCCTTTTGGGACACTAAAGAGGTTGGCAAAAGAGGGGTTCCGGCCGGATCCGGATTTCAAAC
CTTCCCCCCACCTCGCCCAGGCTGCCAGACCGGAAGCGCTCCGCTGTACCTGGATCCTGCTCCTCTGGGTT
GAAACCCGGGCGCCGCCAAGATGCCGGCTTACCACTCTTCTCTCATGGATCCTGATACCAAACTCATCGGA
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ATAGGACCTTGATATATATAACTCTCTACATTTCTGAATGTCTGAAGAAACTGCAAAAGTGCAATTCCAAA
AGCCAAGGTGAGAAAGAAATGTATACGCTGGGAATCACTAATTTTCCCATTCCTGGAGAGCCTGGTTTTCC
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TAAGGCAAGAGACTGGACTGAGACTTTGTGAGAAAGTTTTCGACCCTCAGAATGATAAACCCAGCAAGTGG
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GAAAAGAAAGTGGGTTATCAAGGGTGATTTGAAATTTTCTGCAGCATTAAAGCTGGCGCTTAATAAGAATA
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ACCGACGACGGAGTAACAGCGGCGATGGAAAACGGTGCAGCGAAATGAAGGAGCCAACAATCGAGGGGACA
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Table1 3289
NNNNNNNNNNNNNNNNNNNNNNNNAATAATACATTTTATTCACCTCAAGCTATCTAAAATCTTATC
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TCTTCGAAACACAGAAGACGATGTTTCTTATACTGTCACAGTGCAGTTAACTCGAACAGCACAGACCCGGA
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CCTCTCTGCAGTGTGCTAAGCACACAACAAATAAGTCTTGGCGTTGGCCATTTGTACGTCCAATCATTAGG
CGCTCAGTGCGTGCACCTTCCCTGTAGACCTCCCTGTGATTCTGGCACCCACAGCCAACTCTTGTATCTTT
CCCCAGGGGCAGGGCTGCCTGGGTCCAAATCCGACGTGATCTCCCGTGTGGATCGAGGGGAAGAGCTGAGG
CAGGAGAGAGAGGCCCGGCGAGTTACCTGCCCAGGTGGGTGAGGATATCCAGCAGGTGTGAGCCCTCTTCC
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ACTTAGCCTCTCTGTGCTTTGATTTTTTTCATCTGCTACATGAACAGAGTGAGAACTCCAATCCAGGT
Table1 3290
NNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
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ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN
Table1 3291
ACTTTTTAGCAGAGACATGGTTTCACCACTGATTCACTTCTTGCCTTAGTCTCAGAGATCTCAGA
CAGAAGCTGTGACCTTCTTGGCTAACCATGATGACAGTCGGGCCCTCTATGCCATCCCAGGTGAGTAGTTA
GCATTTGAATGGTGCCCGTCAAGAAGGAGTCTGGTGTGTCTCAGGGAGAGGATTCTGATGTCCTGTCATCC
ACTGGGAGGGATTATGATGCTGAGAGGTATGATATCAGGGTTATCCCATACTGGAACAAGGCCAGTTAATG
TTTCTTCTCAACCCCATCTCTCTCCTCTCCTGTGAGTTTCACCACTGTCTTTTGCATCTCTGTGCCAGGCT
TGGACTATGTTAGCCATGAAGACATCCTCCCCTACACCTTCACTGATCAGGTTCCCAN
Table1 3292
GGGAGTCGACCCACGCGTCCGCCGGCTTCCGGCAACTGGGCTGGACCGAAACCGGCGCGGAGCAA
CTGAGGCCCGAGCCTTCTCGGGACCCGGGGGACGCCTAACCCCGCGAGAACCCTGCAAATTTTCTTCCTCA
TAATTGGGAGAAGACTCACTGGCCGAATGGCAGCAGTAGATGACTTGCAATTTGAAGAATTTGGCAATGCA
GCCACTTCTCTGACAGCAAACCCAGATGCCACCACAGTAAACATTGAGGATCCTGGTGAAACCCCAAAACA
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TTCCGAAAAGTGTCCATAGCAGCTACCATCATCTATGCCTATGCCTGGCTGGTTCCTCTTGCACTCTGGGG
TTTCCTCATGTGGAGAAACAGCAAAGTTATGAACATCGTCTCCTATTCATTTCTGGAGATTGTGTGTGTCT

Table 6
527/3331

ATGGATATTCCCTCTTCATTTATATCCCCACCGCAATACTGTGGATTATCCCCCAGAAAGCTGTTCGTTGG
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GGATAACCGACGCGTTGCATTGGCCACAATTGTGACAATTGTGTTGCTCCATATGCTGCTTTCTGTGGGCT
GCTTGGCATACTTTTTTGATGCACCAGAGATGGACCATCTCCCAACAACTACAGCTACTCCAAACCAAACA
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GGATGGTGCCACACTGGCGCCTAATCACCCGTTTAACAAGCAGAAATTAAATGTTGCTCAGCACATGTGTC
TTTCAGCTCTTCCTTTTCACCCATGGATGATCATTGCGAGCATGCGCTGATTGGACTGAAATGCCGGGGAA
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TACCTGAAATAGAACCATGGAAAATTCTGATGTCCTCTCTCTGAATTATGTACAGACTACCTGGGGGATCC
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GATGTCTGTGTCTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAC
CAAAAAAAAAAAAAAATCCGCCCCCCCCCCGGGGGGAACCTCCAATCCCCCCTATATGAAGTCTTTTTACCCC
CCCTAATTGCCCGTATTTTAAAAACGTCGAAATTGGAAAAACCCTGCCTTAACCAAATTTAATCCCTTTGA
AAAAAATCCCCTTTTCCCCACCTGGCGTAAAACCAAAAAGCCCCCCCCCCAATCCCCTTTCCAAAAATTTGC
CCACCCTAAATGGCAAATGAAAATTGTACCCTTAAATTTTTTTTAAAAANNNNNN
Table1 3293
ACGCGGGTGGTTGGATCTCAGCTGGAAGTTCTGTTTGGAGCCCATTTCTGTGAGACCCTGTATTT
CAAATTTGCAGCTGAAAGGTGCTTGTACGCGGGGAGGCGATTACTGGGCAGGCTCAGTCTTTCGCCTCAGT
CTCGAGCTCTCGCTGGCCTTCGGGTGTACGTGCTCCGGGATCTTCAGCACCCGCGGCCGCCATCGCCGTCG
CTTGGCTTCTTCTGGACTCATCTGCGCCACTTGTCCGCTTCACACTCCGCCGCCATCATGGTGAAGCTCGC
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attcctatataa

Table 6
528/3331

Table1 3294
NNNGCCCCTGGGAACGTGAAAAATGTCTGTTTCAAAACACATTATAAGGCTATGAAATTATCTGT
GATGTAATCCCAAGAGAATCAAATACATTCCCCAAGCTTGATTCACAATTCAATTCATTTGTAAAAACACA
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GTGAATTCACCTGCTGGTAACTTTGATTAAGGACTGAGAATGGTGTGGGTATCGCTGTCTTCTCATAAGTA
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TCCCCTGGGGCTGGGGACAGGGAATGCAGGTGCAAGCCCTGGTTAAGATCTGCTCCGTGGCCCTGGTGGTT
CNCCAGTGN
Table1 3296
AGGGAGTCGACCCACCCGTCCCGCGCTTTGTTGCGAAAGCGAGGGGGCGAGGTGCTGCGGTGCTA
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GCTGCGCGTGAGAAGGTGGCGGTGTAGGCACCTGCGCTCGGGGAAGGCTGGCGGCGGCGGCCGAGCCATGG
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GTGCTGCGCCAGCCAAGACCAGCCCTTGCCCAGCAGGCGCAGGGTGCCAGGGCGGGGGGCTCGGCCCGGAG
GCCGGACACTGGAGACGATGCGGCGGGCCACGGATTCTGTTACTGTGCGGGCAGCCACAAGCGCAAGCGGA
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TTATCAGTGATCTGGCTTCTGCAAGAATTATTGAACAAGATGCTGTAGTACCTTCAGAATGGCTCTCTTCT
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TCTCTATTAAATACACAAAATAAAAATTAGCCAGGCATGGTGGCACACGCCTGTCATCTCAGCGACTCAGG
TGGCGNN
Table1 3302
NNACCTGGGAGCGGCGCTGGCGGCTGCCGGGGCGGCCCCGAGGTGCCGCAGACTCCTGGGCCCGG

Table 6
529/3331

CGGGGACCGGAGGCCGCGCCATGAGCCCCGCAGCCGGGCGCACCCCTGCGCCGCGCGCGGGCCCAGGCGAG
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ACCTGTGGTTGCAGAGAACGGGCTGAGTGAGGAGAAGCCTCACCTCTTGGTGTTCCCTCCAGATCTGGTGG
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AGCCAGCAACACCCTCAGGACCAAGAAGAACACAGCCATTGTCAAGCGCTGGAGCGACCGCCAGGCCCCCA
GCACTGAGCTCAGTACCAGTGGCAGCTCCCACTCCAAGTCCTGTGACCAGCTCAGGTGTGGCCCCTACCTC
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GCTGCCACACGCACCCACAAGCGCTCTGTCTCAGGGCTCTGCAACTCCAGCTCCGCGCTGCCGCTCTACAA
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AGAAACCCTCTTCATGGACCAGACTCTGCACCCGGTGAGTGAGGACAGTCCCAGCTGAGTCCCATCGATGC
GGGACCAAGCCGGAGGCATGCCACGGCCAGGGCTANNN

Table1 3303

GCGACACAAGCGGCTGGACGTGAAGAGGAACACACCGGCGGAGAACACAGAACACCAACCCTCTC
TTTAGTCACCCTGGAGGCCTCGGAGAAGGCGGTTTCGGTGATCCGTGAAGAGACCCCGAGTCTGTTACATC
CCGGAGAATGACAAGAGAGCGAGTACCTGGGTGACGTTTACGTTCTGGGATTTCGGGAGATGCGGTTTTCT
GCACGCCAGGGGCCAAGCCTGAGACGTAGATGGACGGCAGGGATAGGAGCTCTCTCCGCGCCACAAACGCC
CCTGCTCATACCTGGGTTCCTTGATTTTCCTGCCTATATAACCGAGCCTCCCATGGCCGGGCTCTGAGCTC
TCATTCTGCGGACTGGGACAAAGGGGTTAACTGTGATGCGCTTTGTATAACCCCAGGATTCTGCACTTGCC
CAAGGGCGAGGCGCAAATCAAAAACTACGCACAACTGAACACCGAGATCAGGTGAGTCCTGAGTGTCTCAC
GACATAAAATCCTTACGATTTTAACAAGAGTTGTATTTGTGCTAGCACTGTTAACTGACAAACGCATGCCA
GATCCCATCTGTCTTTAAAGCTCAATGTGTGACGGTTAGACACGTCGATTGTCTCTTCAACTTTCTTATTT
GGAAAAACCAAAAAACCAAAACCAGTGGTCTGACTTGGCGAGGACCCTTCGAGCTAGTCCGTAGCCAATCT
GGAGTGATACTGGACGCTGTGGGAGAACAGCCATGTGAATACACCCGAGTGAACCCGTATAAGCAAGGGTT
AACGCGTACCATACCATGTTTCACGTCTCACGTTTAAAAACGCGGCACTGTGTCGCGAACGAAATAGATAA
AGGAGGGGCACATGGGAGAACACTAACAGCGCGCGCGCACCCACACANNNN

Table1 3304

NNNNNNNACCGCCTCCCGGGCCGTAAGTACCGGCGTGGCGGCGCCTCAGCCCGGCCTGGGCGAGC

Table 6
530/3331

CCTGGGTGCTCCGCCGGGCAGCTCACGGCGCCCCGTATGGCCTGGGGATCCTAAGAGGCCCTGTGACCCCC
CTCGCCTGGTCTCCCTCTCACCCCTGGAGGGTTGCCGCAGCTCCGGGGCCCCCGGGCAGGAAGGGCGCACT
GGTCGTCCCGGGCAAGAGGGGTACTGAAGCAGAAGGGCGCGGGCTAGCACGCGGAATGGCCTCGTGCCCTA
TGAGGAGACCACGGAATTTGGGTTGCAGAAATTCCACAAGCCTCTTGCAACTTTTTCCTTTGCAAACCACA
CGATCCAGATCCGGCAGGACTGGAGACACCTGGGAGTCGCAGCGGTGGTTTGGGATGCGGCCATCGTTCTT
TCCACATACCTGGAGATGGGAGCTGTGGAGCTCAGGGGCCGCTCTGCCGTGGAGCTGGGTGCTGGCACGGG
GCTGGTGGGCATAGTGGCTGCCCTGCTGGGTGCTCATGTGACTATCACGGATCGAAAAGTAGCATTAGAAT
TTCTTAAATCAAACGTTCAACCCAACTTACCTCCTCATATCCAAACTAAAACTGTTGTTAAGGAGCTGACT
TGGGGACAAAATTTGGGGAGTTTTTCTCCTGGAGAATTTGACCTGATACTTGGTGCTGATATCATATATTT
AGAAGAAACATTCACAGATCTTCTTCAAACACTGGAACATCTCTGTAGCAATCACTCTGTGATTCTTTTAG
CATGCCGAATTCGCTATGAACGGGATAACAACTTCTTAGCAATGCTGGAGAGGCAATTTATTGTGAGAAAG
GTTCACTACGATCCTGAAAAAGATGTACATATTTACGAAGCACAGAAGAGAAACCAGAAGGAGGACTTATA
ATTGGCTATAATTTATAAGAATGTTGTCATTGAGTGTGTCACTTAAGGTCTTAGACTGCAAATCTAACCAT
ATTTAATGAAATGTCTTACTGTACAAAAAGTCTAAGCCAAAGGTTCTCAGGGGAGAAAGCACATGTGCAGT
TTTAAAACAAAGCAGTGCTTTGTCCCATTGCTGTGATTTTTAGTCAGACTTTACTCAGTCTGAAATGCAAT
TAACATTAAAGGATTAAGTGTGAGATTTCGATTTATGCTATTTGTGTATCCCATACTCCTCCCTTTTAATA
AACAGTTTCCACTGATGATATGAAGGGCCGGTATAAAGAAGTCTTTTAATGAGTAAGCTTTCTTGGTAAGA
TTAAATCTTACAAATTATTTTTAAAACCTTGTGATATATACAATGTTTAGCTGAGTTTTCTAATTTTCTGG
ATGTAAAACAAAAGGTTTAACCTATACATTCCTTGAGCTGTTAGTGCTATTTAAATCTTTTGCCCTGTTTA
GGTCCTAAACACTTTTAGTTGAGTAGGATATGAGCTTTTTTGGGTCTCATATCATGCTTTTTGCCTTAATT
TCAGGTGTATATATATATAAGTAAAGGAATTAAGTGAAAATAAAATTTCAGGTACTTTTTAAAAGCACCTG
AAATCTGGCCGGATGCGGTGGCTCATGCCTGTAATCCCACCACTTTGGGAGGCCGAGGCGGGCAGATCACC
TGAGGTCAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAAACCCCATCTCTACTAAAATACAAAAATTA
GCCGGGCGTGGTGTCAGGCGCCN

Table1 3305

NNNNNNNNCAAATTCTCTTTTATTGCTTTATGTCCCTGACTCATGCAGGCCAAAGGGTGAGGAGG
AGTAATAGCCAACAAGAGCGTCCTGCAGAAAGAAACAGGCTGCGTGGGTCCGGAGGAGCTTGAAAGGAAGA
ACCCGACCAAAGGGCAGGAGACCCGGCTCTCCAGGTCGCGGAGGCGTGGGTGCCCAGCCAGGCGGAGTGCG
GGGCGGGGCCTCTCGGGCCGCAAGGTGGGGCGTCCTGGGCCGGGAGGTGGGAGGTGAGCTCCGCCAGCCCA
GCCCACTGCAGACAGGTTACCCAGGACCTCAAGGTGTGCTGCGTCACCCCGCCCGCGCTGCGCTGATTGGT
TCCTCCAGGGAGCCCCCGCCCCCTCAGCTGTAACCGGGCCGGCTTCAGTGTCGCCGCCATCTTTGTTGATG
TGTCAGCTCCGCAGGGGTTGGGGAAACGGCCGCTGAGTGAGGCGTCGGCTGTGTTTCTCACCGCGGTCTTT
TCCTCCCACTCTTGGCTGGTTGGACCCCGCTATGGAAAAGTTGGCCCCTGAGCCAGAGCTCCAGCAGCCTT
GTTAGGGCGTGGCCTGAGGCTTGGATAAGTGGGATGTAAAACGAAGATCAGGAGCAGATTTGAAGAATTAC
AAAGTGAATTGGTGCCAGTCAGCATGTCAGAGACAGACCACATAGCCTCTACTTCCTCTGATAAAAATGTT
GGGAAAACACCTGAATTAAAGGAAGACTCATGCAACTTGTTTTCTGGCAATGAAAGCAGCAAATTAGAAAA
TGAGTCCAAACTATTGTCATTAAACACTGATAAAACTTTATGTCAACCTAATGAGCATAATAATCGAATTG
AAGCCCAGGAAAATTATATTCCAGATCATGGTGGAGGTGAGGATTCTTGTGCCAAAACAGACACAGGCTCA
GAAAATTCTGAACAAATAGCTAATTTTCCTAGTGGAAATTTTGCTAAACATATTTCAAAAACAAATGAAAC
AGAACAGAAAGTAACACAAATATTGGTGGAATTAAGGTCATCTACATTTCCAGAATCAGCTAATGAAAAGA
CTTATTCAGAAAGCCCCTATGATACAGACTGCACCAAGAAATTTATTTCAAAAATAAAGAGCGTTTCAGCA
TCAGAGGATTTGTTGGAAGAAATAGAATCTGAGCTCTTATCTACGGAGTTTGCAGAACATGGAGTTTGGGG
ACAGGTTGTGGTGAAGGTGGGAAAATGGGGGGCTTTAAGGTTTAAAAAAGCCGGGTGGATTTGANNN

Table1 3306

GCGACACAAGCGGCTGGACGTGAAGAGGAACACACCGGCGGAGAACACAGAACACCAACCCTCTC
TTTAGTCACCCTGGAGGCCTCGGAGAAGGCGGTTTCGGTGATCCGTGAAGAGACCCCGAGTCTGTTACATC
CCGGAGAATGACAAGAGAGCGAGTACCTGGGTGACGTTTACGTTCTGGGATTTCGGGAGATGCGGTTTTCT
GCACGCCAGGGGCCAAGCCTGAGACGTAGATGGACGGCAGGGATAGGAGCTCTCTCCGCGCCACAAACGCC
CCTGCTCATACCTGGGTTCCTTGATTTTCCTGCCTATATAACCGAGCCTCCCATGGCCGGGCTCTGAGCTC
TCATTCTGCGGACTGGGACAAAGGGGTTAACTGTGATGCGCTTTGTATAACCCCAGGATTCTGCACTTGCC
CAAGGGCGAGGCGCAAATCAAAAACTACGCACAACTGAACACCGAGATCAGGTGAGTCCTGAGTGTCTCAC
GACATAAAATCCTTACGATTTTAACAAGAGTTGTATTTGTGCTAGCACTGTTAACTGACAAACGCATGCCA
GATCCCATCTGTCTTTAAAGCTCAATGTGTGACGGTTAGACACGTCGATTGTCTCTTCAACTTTCTTATTT
GCAAAAACCAAAAAACCAAAACCAGTGGTCTGACTTGGCGAGGACCCTTCGAGCTAGTCCGTAGCCAATCT
GGAGTGATACTGGACGCTGTGGGAGAACAGCCATGTGAATACACCCGAGTGAACCCGTATAAGCAAGGGTT
AACGCGTACCATACCATGTTTCACGTCTCACGTTTAAAAACGCGGCACTGTGTCGCGAACGAAATAGATAA
AGGAGGGGCACATGGGAGAACACTAACAGCGCGCGCGCACCCACACANNNN

Table1 3307

ACAAAGAAGAGATTCTACAGCACTTAGAGGCTGTATAGCTTCCAGAAAAAGTAGCTATAATGCAT
TGCAGAGGCCACCAAAAGGCAAGGATGCCACAAGCCAAAGGAAACAGAAAAGCAGACAGGGAGGCAAAGCA
GGCAGCAATGATCACCCCGCATTTTAAAGAGGAAGCCTTAGCTATGCCTCTCCTCCCAGAACCTCCTCTCC
AAGACGACCCAAGTTATACTCCAAATCAAAGATCCTGGTGTGCCAAGAAGATATAAAATGTATGAAAAGAA
AGTAAAAGAAGTTCTTCTATAGGAGACTAGCCATTCCAAAGATGTTAGCTCCTAAGTTTGTGAAGCAAATC

Table 6
531/3331

CATCAAGAAAATCATATAAGAAAAACAGCATTAGAAACATTATGTAGTGCCATTTTTCTTTTCTTTTTTTC
GGACGCGGG
Table1 3309
NNNATGCCTAAAATCATCCAGACTGTTGGTGGTGGTGCTGTGCAGGAGAGAGCGCCTGAGCTGGA
TGGTGGTGGGCCCACGGAGCAGGACAAAAGCCATTCTAACAGCAGCACCTTGTCGGACCGAAGACTCAGCA
ACTCCAGCCTCTGTAGCATTGAAGAAGAGCACCGAATGGTGTATGAAATGGTACAGCGGATTCTCTTGTCA
ACACGAGGTTATGTCAACTTCGTGAATGAAGTATTTCACCAGGCATTTTTGTTGCCTTCCTGTGAGATAGC
TGTAACAAGAAAAGTAGTTCAAGTGTACAGAAAGTGGATTCTCCAGGACAAACCTGTGTTCATGGAGGAGC
CAGATAGAAAAGATGTTGCCCAAGAAGATGCTGAAAAATTAGGATTTTCCGAGACTGATAGCAAGGAGGCC
TCATCTGAAAGTTCTGGTCATAAACGATCTTCCAGTTGGGGACGCACATACTCCTTCACAAGTGCAATGAG
CAGAGGGTGTGTGACAGAGGAGGAAAATACAAATGTGAAAGCCGGCGTCCAGGCTTTGTTGCAGGTATTTT
TGACGAACTCTGCAAACATCTTTTTGTTGGAACCATGTGCTGAAGTTCCTGTGCTCTTGAAAGAACAAGTT
GATGCTTGTAAAGCTGTTTTGATTATTTTTAGGCGCATGATAATGGAGCTTACAATGAATAAAAAGACATG
GGAACAGATGTTGCAAATACTACTCAGGATAACAGAACTGTCATGCAGAAGCCAAAGGATAAACGAATAAA
GGACTTGGTTGCCCAAAGCTTGCAGGGGTACTATTTANGACGCTCATGGTAGCTGGATCCGACCAAACTNT
GGNGACATTTCTCGAGAGCN
Table1 3311
ACCGCGGGAGCTCGGGCTCCTGAGGGCGACGGTCCTCTGATGGCAGATGCGGGAGAAACCTCTGG
CGTCAGGCGAGCCCTCGCGTGGAGCACACGAAAGTCGTGGCTTATTCTGGCTTCAGTATGTGGGGTGGAGA
AGGCGATCCACGCAGCTGCGTCTATTTCCTGTGGATCAATCGCAAAATACGTTCTGTAAGCCCCGCCCCCA
CTGCGTGCGGGCGGCTTTTGTCTCCACGGCAACCGTCAACTCTGGATACGCCTGTCTTTCTCCATGGCAAC
TGTCTACGCCGCAGGCTGGAGCTGCCCATTACCGGAGCCCATATGGCAATGACCCTTGGCCAGTCTCTGGG
AACTAAACTCCTGGGATGTTTACACAGGTGCTGGGTAAGATGTTCTTCCATATGCTCAAGACCACGGGTCA
AGATGT
Table1 3312
ACCCAGGGACACAAACACTCTGCCTAGGAAAACCAGAGACCTTTGTTCACTTGTTTGTCTGCTGA
CCTTCCCTCCACTAGTGTCCTATGACCCTGCCAAATCCCCCTCTGTGAGAAACACCCAAGAATGATCAATT
AAAAAAAAAATTAAATTTAAAAGGAAAACACCAACAACAACAGAAAAAAGTCCTCCCATAAGGAAAGATGA
TCAATTCTTATGTATCGTTCTAGGGATATACTTGGAGGTTGGCGGTGCGGGGCTGAAGGCTAGCGAAACCG
AGCGATCATGTCGCACAAACAAATTTACTATTCGGACGAATACGAAGAGGAGGAGTTTGAGTATCGACATG
TCATGCTGCCCAAGGACATAGCCAAGCTGGTCCCTAAAGACCCATGCTGATGTCTGAAGTCTGAATGGAGG
AATCTCTGGCGTTCAGGAGAGCTCAGGGATGGGATCCAGTATATGATGATCCATGAACCAGAAACTGCACA
TCTGGCTGTTCCGGGCGCCCATTAACCAAGAAACCAAAGGAAATGAAGCTGGCAAGCTACTTTGTCAGCTC
GTCAAGCTTTACACAGCCTGTCCTTAGTTCCTAACATCTTTCTGATAACATTAGGTATGTGGCTTCTTGTT
GTCTCACTTTGAGTATTTAAAAGATGTTCAAGTACACTGTTTGAATGTTGCTGGTAACTGCTTGCTTCTGG
AGTAGAGCCACACACACACGCATAGCCCAGTCAGATGAGTGCTCGGTGTGGACCCACAGGCTAAGCTGAGT
GTGACCCCAGAAGCCACGATGTGCTCTGTATCCAGAACACACTTGGAGATGGGGGAAGCATCTGAGTTTGA
GAACATGGTCTGTCACCAGGATCATGTGAATTGCTGGTTTGTGTTGTTTGGCCTGCGGGTGTAGTATGGTG
TGGTGACTTGGGGATTAATGTTCAGGGGTGTGGGAACTTGGCATCTGTCAGAAGACTGGTAGGTAGAAGGT
GATTAAGAGGAGTTATAGTTAAAAGAGGGAATGGACACAAAGTGTCGGGTCTATTGTGGGGGACAAGGGTT
AATGGCAATGGTAGGGGTGGGGCCCTTTGAAAGGGGAATAGGGGCCCAGAGGGGGGATATCAAAAGAGTTA
ATAAGAAAAAGAAAAAGGAAAGGAAGAGGANNNNNNNNNNNNNNNNNNNNNNNN
Table1 3313
GTAGGAGAATATGGCTTAAAGACAAGAGGGGGAGAGCCTCTTAATTGTTCATACTATTTTACTTC
ACCCTCCATCCAGTCTGACAATAATGCCAAACTTAATTTACAATCTAGGGCAAGAGTAACTCTATAAGAGG
ATTTTATGAAGTACAGCCAGGTGTGGTGGCCCGCATCTGTAATCCCAGCTACTCAGGAGTCTGAGGTGAGA
GAATCACTCAAGGCCAGAAGTTTGAGGCCCAGACTGGCAACATAGCAAGACCATGTCTCTTTGCCGTGGGC
CGCTCCTTCCGAGGCTTCGGCTACGGCCTGACGTTTCTGCCACTGCTGTCGATGCTGATGTGGAACCTCTA
CTACATGTTCGTGGTGGAGCCGGAGCGCATGCTCACTGCCCCCCGCGT
Table1 3314
NNNNNNGCTGCCTTCTTCTTGTCTCCTGTGTGTTCGGTTCGGTCGTCATTGTTGTCGTCTCTGGT
CTCGTTCTTTCTCCGTCTCCTGCTGCATTTCTCTCTTGTGTTTCTTCTTATCTCCACCCGCGCGTGGGTCT
ATTTTTATCGGACTTCCCTCGGGTACCTCCTGTGTGTGGGATCGCCCTTTGGCTCGTCCTCGATCGCCTTC
TGGGATGTTTTCCAGAACAACCTCTCGTCTCCCCGCGGCGTCTTTCTTTCTGGGGGGAGGAATCCCCGCGA
CCCTTTGTTTCTGTCCCCGCGGTTTTCCTTGGGGACCCCTTTGTGCCCCATGTTTCCCTTCCTCATTGGGG
CCCGCCCCCCCCCACAAAGAGTGTGGTTTTTTAAAAACTCTTTTTCTGGGGCTCCTGTGCGCCCCAAAACAA
TTTTTTTTTTTTTGGTTTTTTTTTTTTTAAAAGAAGAAAATAAAAAAAAAAAGAGGGTACAAAGATAATAA
AATTCACCACAGAGAACATTAGAAAATCATAAGTGAATTACCAAACTGACAAGGCAGTTGTAGAAAAAGAG
TCACTGGTGGGAAAGGTAGCCTCTACTAAATAAAAGTCTTTTTATTGTTGGCAGTTGGATTCAGTAGTACC
TACGTGGGTAAGTTTAGAAATGTTATAATTTCACGGAAGAGGAACAGCATATAATTGTATCTTGCCTATAA
ATTGTTCTATTTTAATAAGGGAAATAGCAAATTGGGGTGGGGGGAATGTAGGGCATTCTACAGTTTGAGCA
AAATGCAATTAAATGTGGAAGGACAGCACTGAAAAATTTTATGAATAATCTGTATGATTATATGTCTCTAG
AGTAGATTTATAATTAGCCACTTACCCTAATATCCTTCATGCTTGTAAAGTACTCCCTAATGAATGGTTAT
GCAGGCAGGAGAACTTCTCAGGAAGAGAAAAGGAGAAGACTAACTCTACAGAGATTTTTGAAAGACTCCGT

Table 6
532/3331

GGGATCTCAGCAATTTGTTAACACTGCTAGGGCCCTTCACTGCATAGGGAGGCATATGGACTGCCATGGGT
CTCCAGGCTCATGTTCCAAGCAAGAATAGGGTAAGTAACTGTGAATTACCCTACAAGCAGTAATAAGTTTA
TTATAATAATATTTTTATACATTTTTGGATGCACCCAACCCACTCTAAAGAATGTCAGTGACTTTATACAA
AAGAGGAAGCATCTAGATTGGCATTGTGAACATAATGCATAGGGGCGCGGCGGGAGCTCTAGAGCCTAGTG
GTTAAAACCGTGGCCTCTGGAATATGACTACCTGGACTTGAATGCTCACTCTGCCATTTATTAACTGCATG
ACCTTTGAAAAATAACTTTTCTATCCTTCGGTCCCTCATGTGTAAAATGAGGATAATAACTACTTATCTCA
CGGGGTTGTTCTAAGTATTAAATGGGATAATACAAGTAAAGTACTTAGAACCATGCCTAGCACATCAGAAT
CCCTCAAAGAACATCAGTATAATCCTATACCATAGCAAGTGGTGACTGGTTAAGGTGCGACAAAGGTCAGC
TGGCAGATTACTTGTGTGCAAACTTGATACTTTTGTTCTAAGTAGGAACTAGTATACAGTTCCTAGGATTG
GTACCGTATTAGAGATAGCAGTTTTGGAGGCCAAATGTTACTGAATCCTCTTCCTGATCAGTATATTAATA
TGAAAATGAAACTGCTCTGTAACACAATAAAGAATAAAATCTTTCATGAGGTATGTATTATCAGTATGTAT
TTCATGTCTCAAATATATTTTAAATATAATTTCAGGTTTAATTTGTCTTTTTAATTTGTGTCTCTTCATAT
AATCACATTGCTTCATACAATTAATTTCATCCTTCAAATCCTATTTTATGAGAGAAATATAGGAATGCTAT
CATGCAGCCTTACCTAGATGCTAACATAACGTGTCCTTTCTTAAAAAAATGTATAATAATGCATTTCTACT
TTTTCAAGTTGAATAATTAAAATCTTAATCTTCAGAAAAAAATGTATATCCATTGAATTATTTTAAAAGCT
TAAAATTCTGCTGGTTTGCAAATTGTATATAACATTATATCTATATTATTAACTGTAAGTATTTTTGCCTG
ATTATGAAATATAAAGTAACAACAGGGTTACAGTTGTGCAAAACAAAACAAAACATACCTAAATTACAATA
ATATGTTGACTAGAAAAATTCATANNNNN

Table1 3317

ACATGGATGGGCGGGGAGGTAACTAAAAGATCCTTTACACAATAAAGTAGATGATCATGATAAAT
GAGGTAAGGTCCTATTATCACACACTTCAAACACGGTAGATCAGAAACCCACTATGATACTCGCTTCCTGT
CTGTTTGCTAAGGAATATAAAATGGCTAGAAAGTTTAATTTGAAACCTTTGCCTCCATTTGGAATAGTAGA
CACCAGTTAAGAGGGTGTCAGATGCCTTTTTTTTTTTTTTTTTTTTTTGGCTGGTCCCTGTTGATTGGTC
AGAAGACAGCTCAGCTAAAAGGGGAAGTTGTCTGGGTGGTTGCTTTTTTTCTGACGTCTGTTCCTCAGGCT
GGAAGAAATGAGCAGAAAACAAGGGATGAGTACTTTTTAGAGTATGTGCATGTTACGTAATACCTGTTTCT
GGGCAATGCTGCTTCTTCTGACTCAACAAATGGGGAGAGCAAATTGAAAATGCGTAAATTGGAAGGCAAGT
TCTGAAATTAAACGTTGTACTTTGGCCTGATGTTCTGACCTTTAAGGAAGCAAGAGTTTGTAAACTTCCAA
ATATTTACTATTCTGAACTGCCGTGTAAACCTGACGTATTCCCAAGTCAACATACCAGTATACCAATAGGA
TGTGAATAATGTGTGTGTTGAGTTTAAAACCATAGCAGTTTTGCTCTGGCAAGTAATGAAAGCGTTCTCGC
TTCCTGAGTGTGAGCTCCAGCAGACTGCAGAGTGGCCAGTCCACAGTTGTAGCCTGACTTCAGTGAGTTCT
GATGTGTGCTTTTTGCAAATACATGTTCTCAGAACAGTGAGATCATCCAGCAGTGGCCTGGACTGCACTCA
CATAAAAATCATGAGACAGCCATGGCTACTTGTTTCTGTAATACATGCATGTGTGTTTTTTAAAACCTATG
ATAGGCCTCTGATTCTGCAGCTGCAACTTTTATGGAATGTTTTCCTTCTCCACATCTCATGTGATGCcttt
actCCATCATTAAAATAATCCAGTAAActtaCAAATTTggaAacCataatctaAgacaTACctggCTTaga
ttcttCAgaatttctGATCCTATGCCAAAGCCTAAaAAgaAAGAGtcatATtcacaAAGTCATtGTAAGca
TTTATAActctgaaCTCtcgtcagaccctctgctcCGAACTCAatcgcacCTCTATAATCACTCATCAcga
agAAGTCCTCAAGATaccaTAACTTGCCAAtccaCGGGTCATAGGTAAAaTAgtacaTGGcaacccaacAA
TGCtgtgtccTCATTTAtcatgatcatctactttattgtgtaaaggatcttttagttacctccccgcccat
ccatgtacacggaagggccatgtacatggcgaagctagagactgtaaccttccggagtccagtgctctttc
ggcacttctgcaaccaggcagtggtaaaaggggtgctctccaaaccatcttctagcagatctttttcagtt
aagattacttgttcttccatgtattcatatttagccagctccttgatcagccgcagtatgtcactgcagtc
ggcggcagtggctgggcggatcacgaatttagccattttcgtcttttgcttttcttccctttgcggaccag
gcccctgtacttgaacagtaggaggaggtggttcctcattcgtctcccgggagcgtcctcttctcagtcag
gctggcaccatgacccaaggaacctcggcgagtgacggataaacaccagtcggc

Table1 3318

NNCGAACNCCCATAGGTAGGGACGCGCGCCATTGTGTTGGTACCCGGGAATTCGGCCATTATGGC
CGGGGGCAGCAGGCGTGCAGTTTCCCGGCTCTCCGCGCGGCCGGGGAAGGTCAGCGCCGTAATGGCGTTCT
TGGCGTCGGGACCCTACCTGACCCATCAGCAAAAGGTGTTGCGGCTTTATAAGCGGGCGCTACGCCACCTC
GAGTCGTGGTGCGTCCAGAGAGACAAATACCGATACTTTGCTTGTTTGATGAGAGCCCGGTTTGAAGAACA
TAAGAATGAAAAGGATATGGCGAAGGCCACCCAGCTGCTGAAGGAGGCCGAGGAAGAATTCTGGTACCGTC
AGCATCCACAGCCATACATCTTCCCTGACTCTCCTGGGGGCACCTCCTATGAGAGATACGATTGCTACAAG
GTCCCAGAATGGTGCTTAGATGACTGGCATCCTTCTGAGAAGGCAATGTATCCTGATTACTTTGCCAAGAG
AGAACAGTGGAAGAAACTGCGGAGGGAAAGCTGGGAACGAGAGGTTAAGCAGCTGCAGGAGGAAACGCCAC
CTGGTGGTCCTTTAACTGAAGCTTTGCCCCCTGCCCGAAAGGAAGGTGATTTGCCCCCACTGTGGTGGTAT
ATTGTGACCAGACCCCGGGAGCGGCCCATGTAGAAAGAGAGAGACCTCATCTTTCATGCTTGCAAGTGAAA
TATGTTACAGAACATGCACTTGCCCTAATAAAAAATCAGTGAAATGGCAAAAAAAAAACAAGACAGAGACC
AACAGGCAGCGACCGCACAACAACACAAACGAGCACCGGAGGGCGCGCTGAAACGGCAGAGACACCGCCAA
ACAATACATATAAGCGGACGCAAAGAAAGAAACAAACCGGCAGAGACAAGGGAAGATACATACTAGAGTAA
GTTACGCGGACGCAGGTCTTTCTTGTGTCTTTCGTTTTTATCTCGAGGTGGCAAAACAAGACGATGAGAGA
AGAACGAAACAGCAGAAGAGAGAGCAGAAAGAAGAAAAAGCAAAAGAGAAGAAGACAAACAACAAGAGAAA
AGCAAAAACAGAGGGAAACGAAGAAGGCAGCAAGAGACAGTGAGGCACGAGAGAGCGACGAAAGGGAGAAG
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AGCGAGCCGACAGCAGAAGACAGAAAGAGGAGGACGCGAGAAAGCGAAGAGCACGAGAGAGGCAGAGAAAA
GAAAGCAGCCGAGAGAGAGAAGACGAGAGACAGGAAGGAAGAGAGGGGGAAGAAGGGGAAGACAACAAGGG

Table 6
533/3331

GAGAGCGAGAGAAGAGCAAGGAAAGAAAGAGAAGCAGAGGACGGCCGGAGAGGCGAGGAGGGGCGGGAGAG
AGGGGAGGGAGAGAAGAGCGGAGCAGAAGGAGCGAGACGGGGAGGGGGGGAGCGGAAGAGAGAGGGAGGAC
GAAAGCGAAGCCGAAGGAGACGACGAGAGAAGGGAGAGAGAGGGGCGAGAGAGAGAAGAGGACAGGGATGA
ACGGAGCGAGGAAGAGCGGCGAGGAGAGCAAAGGAGGAGACGGGGGGTCGAGGAGGAGAGAGGGAGGGCGG
AGGCGAAGGCGGAGGAGGGAGCGAAAGGAGAGGGAGAGGGAAGAGGCACGAGAGAAGCGAAGAGAGCGCAG
GACGAGAAGAACAGCGAACAAAGAAGCAACGAGCGCAGGAGAGCGAGGCGCAGAGCAAGAGAAAACAGAGG
GAGGCAGCGAACAGAAGAAGACACGAGGGGAGGAAGAGAGCGAAGGAGGTAGGCGGAGGACGAGCGAGCGA
CGCAGGGGAGAGCAGAAGAAAGGAAAGCGGAAGAATGAACGCAGAGAGAGAAAGGAGAGAGCCGGAGAGCA
GACGAGAGGGCGCAAGAAGGACGGAGAAAGGCAGAAGGAGAGAGAAGAN

Table1 3320

ACAATTTACGTCCTAAGGGGGGGCTACTCTAATTATCCCATTCAAATGGAATTTTTTTCAAAATT
GGATAGAAGGAATTGAAGAGTTGTAAGTAGTGATTAGTCTGCTAATCAGTTCTTCAGATGAGATATTGAAT
GGTAACACTCTGAGCTTAAAACTCAGCAGTGTGTCTGTGACCTCCACGCAAATCAGAGGAAGCAATGCATC
CACGCTGAGCCTCACCATGTCTTCCTCCCAACTCTCTTCATACTCTCTGTGTCTTCCAGCTCTTCTTTCTC
TGGCCGGCTCTCTTTCCTCTTCTCTCTGCATATGTGAGAACGCCTGGGCATCCTGGGTAACAGCAGCCCCA
GCTGCCCTCTCCTGTTCCCTGTTCCAAGTCCCCTGCACTGACCTTTCTTGAGTCTCTCTGGCTCTGTGCAT
GTCTTTGGGACTCTCCTCATCTGGCTTTTCCTCTGTGTGTGCCTCTCTGTTTGCTTATGTCTCTGGCTCTG
TCTTCCCCACCCCTCCCCTCACACACACACATACTCCCAAATGTAAGGCTCTGTGGCAGGTTGGAATCGGA
GTAAGGCTTGAGATTCACTGAGTTCTGTAGGTAGGGAAAGAAGTCAAGGGAGTGGAGGTTCTATAAGGAAT
TAACAGCTGAGGACGGAAGGGTTTGTTTCCCGTTTGAACCTAAACGCAAGTGGAAAAGAATACTCAGAATG
TATTTTTCTACTTTACATCTGCTGGGGAAGGAAATGTGTCAGGAAGCCGCTGCATCTGGTCATTTCATCGC
ATCAGAATCACAGCAGACGTGGAAGATTCCATGTGGTGGGGAATAAAGAAATAACTTTATGCTCTCCTGAA
AAACAGCGGGAGCCTATGTGTGTGTGCGACACTGTAATCTCAAGGAGATTCACTCAGAGCTGTCTCAGTCC
AACTCCTGCATGACCAGATCTTCCCTTAGCATCTTTTCTGTGATGAAATATTATCTTGTGTTAGAGTTAGG
AATAGGAACTAACCTGTAGGAGCATGTCCCCAAATGGACATTTGAATGGACTAACAAAAACAACTGGAAAG
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CCTATTCTTATTTTAACTTGCTTCATCCTTGATCTACCTGAGACACTAAGAAGGAAATTAGTTTTCCAAGA
GCTCTTTGAACCTGTCTAGGACTGTAGTTAAACCTATTTGCCCTATGGGGGTTCTTCACACTCGAAAAACT
ATTTCCTTATCACCAACGACCCACCCAGAAAGGCCAATGAGGCCAAATGTAACAATTTTTAACATTTAAAT
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TAGTGACTTAGAATCCAGATATCTTTTGTTTTAGAAAAACAAGCAAAACTATGTTGCAAGACTGACAGTTG
TAATGTTTATTTGCCACAGATCAAAGGTTCACAAAGTATATCAAATTTACATCTACTTGGGGTACCTTGAT
AGATTATTATTGTTTTTCTTTTATCTTTCCCTTCAGGAATTTGGAAACTCGTTGTCACTTTTTTTAATTTT
AAAAATACTAAATTGTAATAGTTTTCTTTTGCCAAATGTGTGCGTACATATTCAAAGCAATGAAACTATTT
CAAGCCATACAACCACAGGGGTGGGAACCCTTTTCACAAATTTTAATGTGTTTGTATGTAAATAGATGTTT
GTATGAAATATTTTCATGATAGAATGAATATATTTAAATGAAGTTGAATTATTCCAGTGCTACTTAAACAC
ATTACAAAAATTTTGGTGAGAATTATCTGAGTCTATTGAGATGTAATGCAGATCAATTTTGATTTTTAAAA
ATCAAAAGCCTACAATAACTCTGACTCTCAGCAACTTCCTCGGCGTTGTTGCACCTGACGTGGAGAGAGCT
CGTAGGCTTCCCCAGTGCCTCAGCCGCTTCCTGGTGGAAGTTAGGTGCTAATGGAGGTGTGTTCACCTTTT
AGTGATATCACTGCAGGCCTTTGAGGGGCCTGAGAGTGAATCAGAGGCATTAGAGACACCGGTGCAGTTAT
CTGGAGCACAATTTCTTTGCAGGGCAGCAGAATCAGAAGCCAGACTTGGCCATGTGAACCTCGAAACTCGG
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AGAGAGGAAGGAGAGGGGAGCATCTGGCAAGGGGCCCATTTCTCAGCACAGTACATTTCCTGTCTCAGCTC
TGGAAGACTATGCACCCAAGCACCAAACTTCCAACCAGAGAGAGAGACGTCCTCCGATAACAAAAATCCTT
GCTTCCTCTGTCTGTGACTTTACACACAGTTGTTCAAAGTTGTTAAATGTCAAGAGTCAATCACATCCCTA
GGACATACCTCCCAACTCTCCTGACTCTTATGTTATTGAAAAAACAAACAAACAAAAACTCCTTTATGATG
ATATTCAACTTGAGTGGGGTTTTTTTTCCACTTTGGTCCTGGATATAATGAAATGATACATATTAGGATAA
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AGGAAAATTATGTCCATGATTCTGAGCTCCCTTCTTCAAAAGTTTCCTCCTGGGTGTTCTATGTTCTCTCT
TTATCCTGAAATACATTTATTAGGTTGTGAGGTATGTTGAAGAAGTAGAAGCCAGGGGTATGCTTTCAGCA
TTTATTGCAACCAAAAGTTAACCCCATCACGGTTAACGAGCATCTTTGGTCTCTTGTGGAATTTGAACTAA
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TACATGAATAATGTTTGCCCTTACTGTGTTATGAATGAGTTTTTTGTAGTGTGTCTGGGTGCATGATGCAA
GAGAGTAGGAAAAATGTTTCTGAAACAAAACTTGACAAATATTTGTAATGAAAGTAAATTTAAAGATTGCT
ATAATTGCGCTATAGAAACAATGCAAGTATTAAACAAAATATACAATCAAAAAAAAAAAAAAAAAAG

Table1 3321

NNNCACGAGGAAATTGCAGAGAAAGGAGGGCATCAAGCTTAGGGGACCAATCCCTGTCTTTCTAC
CAGTCCCTGATAACTACTCAAGCTCCCTTTAAAGAGGCTCATATTGGAATACTCTGTTGACAAGTAGATAC
CACTTCACCTCTGCTAGGGTGAGCGCTGGTAGCTCCTCCCTGTTAAATGCCCATCTCAATGCCTCTGCCCT
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Table 6
534/3331

TGCTGTTGCCACTGCTGGTACAGAAATAGAAGCACAAAAAAACAAAGACAAAAAACCTCCAAGCTCCCTTC
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TCTTTACTTGGGTAGCTGACAGCATCTACTCCTGAAGACCGGAAACATGGCTTGTACCATCCAAAAGGCAG
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Table1 3322

NNNNNNNNCGGGGTACTTCTAGCATCAAGTAAAACCTCTTCTCCTCAAATATATTGTCCCTTTAA
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Table1 3323

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Table 6
535/3331

TTATAATAATATTTTTATACATTTTTGGATGCACCCAACCCACTCTAAAGAATGTCAGTGACTTTATACAA
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ATATGTTGACTAGAAAAATTCATANNNNN
Table1 3324
NNNCACGAGGAAATTGCAGAGAAAGGAGGGCATCAAGCTTAGGGGACCAATCCCTGTCTTTCTAC
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TAGCATCATCCCTCTACTANN
Table1 3325
NNNNNNNNCAAATTCTCTTTTATTGCTTTATGTCCCTGACTCATGCAGGCCAAAGGGTGAGGAGG
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GAAAATTCTGAACAAATAGCTAATTTTCCTAGTGGAAATTTTGCTAAACATATTTCAAAAACAAATGAAAC

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Table 6
536/3331

AGAACAGAAAGTAACACAAATATTGGTGGAATTAAGGTCATCTACATTTCCAGAATCAGCTAATGAAAAGA
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ACAGGTTGTGGTGAAGGTGGGAAAATGGGGGGCTTTAAGGTTTAAAAAAGCCGGGTGGATTTGANNN
Table1 3326
gcCTTGTGCCTTCTGGAGGATTTCTCTCTAGCTCGACTCACTCTGGACTGACTCGCTCCCTGGCT
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TGAACCGAGAGTCACCAACAGATAAGAAGCAGAAAGTTGAGCGCATTGCATCACATGATTTTGACCCCACA
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TTGCGTAATCATCCAGAAAGATGACAATGGATTTGGGCTGACGGTCAGTGGAGACAATCCAGTCTTCGTAC
AGTCTGTCAAAGAAGATGGAGCAGCCATGCGGGCTGGAGTACAGACAGGTGATCGAATCATCAAGGTGAAT
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Table 6
537/3331

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Table 6
538/3331

GTACCTTTGTAAAATAGCTCTTTTATGAATTAGCTGATAAGGCTGTATGTTTCTGGAACAAAATATTGGTC
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Table1 3327
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CGCCTGCCCTGGAGCACAGGCTACGCCGAGCCtggCaGGGTCATCAATGCTGGCAAGAGTCGGCACAATGA
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CTTTTCCACtcgCAATAACATTGACTATAAATGCTGATAATTCCAAAAGAATCTCGACTCTTCCTTGAGTA
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Table1 3328
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Table1 3333 NACTGGCCACCACCTCTCTCGCCTGCTGAGTGC
Table1 3337
gGGAGTCGACCCACGCGTCCGCCGGCGGTTAGTGCTGAGAGTGCGGAGTGTGTGCTCCGGGCTCG
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Table1 3339

NNACGCGTCCGGAGCGCTGTAGGGAGCCTGTGCTGTGCCGCGCAGTTAGGCAGCAGCAGCCGCGG
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Table1 3340

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AGAACTGGGGGCTGTCTGTCTATGCTGACAAGCCAGAGACGACCAAGGAGCAACTGGGAGAGTTCTACGAA
GCTCTCGACTGCTTGCGCATTCCCAAGTCAGATGTCGTGTACCACGCAGTCCTTGAGGCAGTCCTGTGTGA
TTCCATGATCAGTTGTTTTTGTATTTTAACTATTCTTCCAAACCAGCAGATGTTTGGAAATTAAGGAAAAA
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Table1 3341

ACTTTTTAGCAGAGACATGGTTTCACCACTGATTCACTTCTTGCCTTAGTCTCAGAGATCTCAGA
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Table 6
540/3331

ACTGGGAGGGATTATGATGCTGAGAGGTATGATATCAGGGTTATCCCATACTGGAACAAGGCCAGTTAATG
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TGGACTATGTTAGCCATGAAGACATCCTCCCCTACACCTTCACTGATCAGGTTCCCAN
Table1 3342
GCGTCCGGCAATAACTTGCTTTGTCACCTCGGCAAGTCATTTCCAAATCAGGAAGGGGTCAGTTT
CAGGAAACAGAAACTTCTCCAGCTGTTTTTGGCAGAAGGGGATTTAAGGGAATCAGGGTACTTAAAGTACA
TGGGAAGGCTGGAGAAGTCGCCTCCAGGAAGCTCCCACTGGAGCTGGGATCAGAACGTACTGTCCTGCCTG
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CTCTCTTCCACGGAACTCCAGTGGCAAGGGAATCCAGAAACGTTTTCTTTTTGCCTGGAGATGCTAATCCT
TAGCCTAAGAATAAGGAAACTGGTCCATGTAAGGACTGACCATCCTTTCACCCATCTGTCTGCCCACTTGT
GCATCCATCCCATTTTATCCATCCATTCCTCCAGTTGTGGACACCAGATGACTTTCAGCTCCCCCTACCCC
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GCTTTTGGTTTTGCATCTTCTCAGCACTTCTAGGGAGGCACCAAAAGGGAGGATGGCACTGACTGAGCCCA
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NNNN
Table1 3343
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Table1 3345
NGGAGTTGGACTGTGAAGAAACATGGCGGCCGCGACGTTGACTTCGAAATTGTACTCCCTGCTGT
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Table1 3346
ACGCGGGGACACTGACTAGTGGTGACGGCGTTGGACAGTGCAGATACAGAACATTTCTGTCATCA
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TGAATCCAGAGATAAGTTTATACGGGAATTATTTGAATCATCCACAAATAACAACAAAGATACTAAACAAA
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CTTCGAAGTACCTCGGCCGCCc
Table1 3347
NAGTCGACCCACGCGTCCGGCTGCTCCCAAGTGTCAGGAAGCTGCTCAGGAGGAAGACCCTCGAG
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Table1 3348
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GGGATCGGTTGCCATTGTGTGTTTTGCACGCAGCTATGATGGAGACTTTGTCTTTGATGACTCAGAAGCTA
TTGTTAACAATAAGGACCTCCAAGCAGAAACGCCCCTGGGGGACCTGTGGCATCATGACTTCTGGGGCAGT
AGACTGAGCAGCAACACCAGCCACAAGTCCTACCGGCCTCTCACCGTCCTGACTTTCAGGATTAACTACTA
CCTCTCGGGAGGCTTCCACCCCGTGGGCTTTCACGTGGTCAACATCCTCCTGCACAGTGGCATCTCTGTCC
TCATGGTGGACGTCTTCTCGGTTCTGTTTGGCGGCCTGCAGTACACCAGTAAAGGCCGGAGGCTGCACCTC
GCCCCCAGGGCGTCCCTGCTGGCCGCGCTGCTGTTTGCTGTCCATCCTGTGCACACCGAGTGTGTTGCTGG
TGTTGTCGGCCGTGCAGACCTCCTGTGTGCCCTGTTCTTCTTGTTATCTTTCCTTGGCTACTGTAAAGCAT
TTAGAGAAAGTAACAAGGAGGGAGCGCATTCTTCCACCTTCTGGGTGCTGCTGAGTATCTTTCTGGGAGCA
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AGGCAAATTCAATGTTCTGGAAATTGTCCAGAAGGTACTACATAAGGACAAGTCATTAGAGAATCTCGGCA
TGCTCAGGAACGGGGGCCTCCTCTTCAGAATGACCCTGCTCACCTCTGGAGGGGCTGGGATGCTCTACGTG
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CATGCTGGTGAGGGCCGTAAACTACAATTACTACTATTCATTGAATGCCTGGCTGCTGCTGTGTCCCTGGT
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TGGGCTTCGTGGTCGCGGAGCGTGTCCTCTACCTCCCCAGCGTTGGGTACTGTGTGCTGCTGACTTTTGGA
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CAAAGTTACCGGACAGCAATTAAACACAGAAGGAAATACCCAGACTGTTACTACAACCTCGGGCGTCTGGT
AAGCGCGGGGTGCCCTGTGCCTGTGGAAGGAAAGATGGGTTATTTTTCTTATTTATAATAAAATGACATAG
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GTTTACGAAGATCTGATTGCTCTTGATTTTCTTGACAAAAATAAAATGAGACACACACATAGCAAAATTCT
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TTACAGGTAGGAAGGCATCCTCGTGTTCTAAAGAGATGTCTGCTGCCCTCGTTTTAAAGGCCTGAAGCTTC
TTGGCTTATCCGAN

Table 6
542/3331

Table1 3350

TCCGCGGACGCGTGGGCGGTGGCCGTCCGCCCACTCCGCGGCGTTCGGGGAAATGGCTGCGAGAC
CCTAGAGGCCTGCGGAGCTTACTCCACGGGAACAGCCTCTAGATAATCTGAGTGTTGAAAATACGAAGCCT
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GCGTGGAGCAGTTCCTGACCATTGCGCGGCGCCGCGGCAGGAGGAGCATGCCTGTCTCCCTGGAGGATTCT
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GAGGAGGGTCCCGCCGAGACTGTGGGCTCCGAGGCCAGTGACACTGTGGAGGGCGTCCTGCCCAGTAAGCA
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ACAGTGAAGAAGGCAGTGGTGGTCCCTGCGCGGAGTGAAGCACTCGGGAAGGAAGCAGCTTGTGAGAGCAG
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CACTGTTGTATAAATGTATGTATCACCTAGGGGTTGGCCTCCTGGACCCCTCCCGTTCTTTCTGGATAGCA
TCCCCTGGGCCTGTCCAGGACTGGGAGTTGCAGCTTGTGTTAAGCTGATCACAGACACGGTGCCCTCGGGG
AGCAGAGCCGGTAGAGCCCCGTGCCGGTCCCCATTGGGGATCTGGCGGTCCAGGTCCCTCGAGTCTCGGGT
TCCGGCCCGCGGGATTCTCCCTGGCGCNNNNN

Table1 3351

CCACGCGTCCGGCTGCGGGAGGCGCGGCGCGGGGGGGGTCGGGTGCGCGGCGGGCCGCCCCTCCC
CCTGCCAGGTCCGGGCGGGTGCCTGGAGCCGCCAGAGTTTCCGCACCCGGGAGGGAGATGCGGCCGGGGCT
CAGGCTCCTTGCAGTTGTAATTTAGATTCGAGAAGTGGTTTATCCTTTGACTGGAAAAGAAAAGTAGCTGC
AGTATTCCCCCAGCACTTGCTGAGAGCATGCCGTATGCCAGGCTGTGAGGCTCGAGAGACAAGCAGTGGAA
GAGTTGCGGCCTGTTTCATCTCTGGATTGTAAATCTGAGCCTCCTTCTGGCCCCTGGAAGGGGACAGCATC
ACGATGGAATGATTCCTAACCAGCATAATGCTGGAGCCGGGAGCCACCAACCTGCAGTTTTCAGAATGGCC
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TTGTTAACAATAAGGACCTCCAAGCAGAAACGCCCCTGGGGGACCTGTGGCATCATGACTTCTGGGGCAGT
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CCTCTCGGGAGGCTTCCACCCCGTGGGCTTTCACGTGGTCAACATCCTCCTGCACAGTGGCATCTCTGTCC
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GCCCCCAGGGCGTCCCTGCTGGCCGCGCTGCTGTTTGCTGTCCATCCTGTGCACACCGAGTGTGTTGCTGG
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AGGCAAATTCAATGTTCTGGAAATTGTCCAGAAGGTACTACATAAGGACAAGTCATTAGAGAATCTCGGCA
TGCTCAGGAACGGGGGCCTCCTCTTCAGAATGACCCTGCTCACCTCTGGAGGGGCTGGGATGCTCTACGTG
CGCTGGAGGATCATGGGCACGGGCCCGCCGGCCTTCACCGAGGTGGACAACCCGGCCTCCTTTGCTGACAG
CATGCTGGTGAGGGCCGTAAACTACAATTACTACTATTCATTGAATGCCTGGCTGCTGCTGTGTCCCTGGT
GGCTGTGTTTTGATTGGTCAATGGGCTGCATCCCCCTCATTAAGTCCATCAGCGACTGGAGGGTAATTGCA
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AAGGATCCTTACTCTGGGCCTGGGATTTCTCGTTATCCCATTTCTCCCTGCGAGTAACCTGTTCTTCCGAG
TGGGCTTCGTGGTCGCGGAGCGTGTCCTCTACCTCCCCAGCGTTGGGTACTGTGTGCTGCTGACTTTTGGA
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CAACACGCTGAGATGTGTGCTGCGCAGCGGCGAGTGGCGGAGTGAGGAACAGCTTTTCAGAAGTGCTCTGT
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GCTGCCATCAGATACTACCGGGAAGCTGTAAGATTAAATCCCAAGTATGTTCATGCCATGAATAATCTTGG
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CAAAGTTACCGGACAGCAATTAAACACAGAAGGAAATACCCAGACTGTTACTACAACCTCGGGCGTCTGGT
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Table 6
543/3331

TGACACCCACCTAGCCCATACATTTTATAAAGTTCTTTCACATGTTTCTATCTCATTTGAAGGTAGCTATT
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GTTTACGAAGATCTGATTGCTCTTGATTTTCTTGACAAAAATAAAATGAGACACACACATAGCAAAATTCT
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TTCCTAATATATTTAGATGTATTCAATAAACATTGTTAATTAAAAAATTTGTGTTCATTCTAACCAAACTG
GAATACATCCATAGTGATATGACTTTCACAGAAGTTTATATGTAGATTTCCAGATTTTATCCAGCTTAGCC
TTACAGGTAGGAAGGCATCCTCGTGTTCTAAAGAGATGTCTGCTGCCCTCGTTTTAAAGGCCTGAAGCTTC
TTGGCTTATCCGAN

Table1 3352

ACATGTTAAAGGGATCCGTTTGATTCCTTTCGGCAAGGAATTGCAAAAATAGTTTTTACCAATAC
CAGTTAAAATAGGATAGGTTAGACTTTGGGGGCAGGGTGAGACAGTGCAGCCTTTTCACTCTGAAATGGCA
AATCAGCTGTACGCGGGGAGAGCTGTTTCCGTTCCTCTGCCCGCCATGCCGTTCCTGGAGCTGGACACGAA
TTTGCCCGCCAACCGAGTCCCCGCGGGGCTGGAGAAACGACTCTGCGCCGCCGCTGCCTCCATCCTGGGCA
AACCTGCGGACCGCGTGAACGTGACGGTACGGCCGGGCCTGGCCATGGCGCTGAGCGGGTCCACCGAGCCC
TGCGCGCAGCTGTCCATCTCCTCCATCGGCGTAGTGGGCACCGCCGAGGACAACCGCAGCCACAGCGCCCA
CTTCTTTGAGTTTCTCACCAAGGAGCTAGCCCTGGGCCAGGACCGGTGCGTAGGGGTAGTAGGGGATCCAT
GTGGGACTGCCGCAGACTGGAGCCACTGATCCTGCCTCAGGGGGAAAAACCCATTTCTTGCCCTGCCCAGT
AAGGACACATCAGGGTCTGGAGCTTTGGGGCCCCCTGACCCCTTAGGTTCCTGCTGTTAGGACCATCTTCA
AAGTGCGAGCAGGATTGAATGAATTTCTGGCTCTGCTCCTCAGTGTGTAAGTCTGTGAACCGGGAAGGCTC
TCTTTTAACACCCCCGGGGCAGTGCAAGGGTCATGNNNN

Table1 3354

NNCTGTCCATCAAGAGTCCAAATTCCTGGTTTGAGTTTTCAGGAAATGTGCACAGAGGGAGTAAC
GTCATGCGCAAGGTACCCCAGAGTGTGTAATCTTAGGTAAGCCATCCCAGCATTTCTGCACATGTTGATAG
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TGAAGGAGAGCTGGCCTTCAGCATGTTTCCAAGGTCTATATATGAGGTCTACTGGGAACACTTCCATACCC
AAACCCCTCTGAATGCCATAAACCACATTATGAAGTCCTTTACTGTCACGAATTTGAAATCCAGGATGGTC
CAGTTCATAAGTTACTTCCTTGAAATTCAAACTTGGATTCAGTTCTTTAAGAACGTCAATCAAGACTTCTA
CATTGCCATGTGTGTGCCTGTGCTCCATCACTTTTATCTTTCCCATCACTCCAGATCCCACTGCCCGGAGC
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CAACCTGGGCAGCTGTGACCTCCCGAACACCAAACTGCACGATTATATTGCGACATTCTTCAATACTTGCA
CAAAAGCCATAGCCTACTTCTTGCATGAAATCAGCCAAAGAGCTCTCCATCATGGTTTTAGCTACCCCTCC
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Table1 3355

NNNNNAGGTGCCACTATAGAAGAGCTATGACGTCGCATGCACGCGTACGTAAGCTTGGATCCTCT
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TGTGTCTGTTGAGACTTTAAGGGAGAAATGTCGGAATTTCAGAGTCGCCTGACGGCAGAGGGTGAGCCCCC
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GACCCAGAACAGCCTTTAAATCACAAGCAAAATAGGAAAGTTAACCACGGAGGCACCGAGTTCCAGGTAGT
GGTTTTGCCTTTCCCAAAAATGAAAATAAACTGTTACCGAAGGAATTAGTTTTTCCTCTTCTTTTTTCCAA

Table 6
544/3331

CTGTGAAGGTCCCCGTGGGGTGGAGCATGGTGCCCCTCACAAGCCGCAGCGGCTGGTGCCCGGGCTACCAG
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CTCCTGTCTGTTTCCCTTCACGGATCAATTCTCACTTAAGAGGCCAATAAACAACCCAACATGAAAAGGTG
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CCTTCTGGTGTGTCTGTTGATCTGTGTTTTCATTTACATCTCTCTTAGACTCCGCTCTTGTTCTCCAGGTT
TTCACCAGATAGATTTGGGGTTGGCGGGACCTGCTGGTGACGTGCAGGTGAAGGACAGGAAGGGGCATGTG
AGCGTAAATAGAGGTGACCAGAGGAGAGCATGAGGGGTGGGGCTTTGGGACCCACCGGGGCCAGTGGCTGG
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CCCTCCCTTCCCATGGGAGTGGCTTTCCATTTTGGGCAGAATGCTGACTAGTAGACTAACATAAAAGATAT
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GAGGTTCTAGCCACTCGAGCTTCATGCATGTGGAAACGTGNN
Table1 3356
NNNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
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TGTCCTGGAAAGTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCAT
TGTCAACGGAATCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAA
TAAATATTTGTTCATTTCAAAAAAAAAAAACACCCAGCATAACACACAACAAAAACGTTTGTTGGCCGCGC
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ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN
Table1 3357
NNNNNNNNNNNNNNNNNGGCAGCTTTCAGGTTAAAAGTCCTCCGGGTAACGGCAGAAACCAAATA
GTCAATCATTAAGGTGCCTGACTGCACGTAGGCAATAGTTATCGCAGGACTGAAGCCCCCTTTGCAGTACA
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TGGCAGGATGTAGCTTCTGCTGCACAAGGTAGGATGATGACAAAAGGTTTTCACTGCTGGGGAATGGATGA
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AAATACTTGAGACGTGAAAAATGTGAGATGGATGAGGCTAGGTTTGGAGTCAAATGTTGGCTGAGAGGGAG
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GAAGGATGAACCACACATACAAACCCATCACAGATGAATGCAAATAAAAAAGTCAGCTCCGAAGTTGGGTT
CTGAGCAGTGTAGATTCTACTGCTAAGGCTTGGACTACAAGCC
Table1 3358
NNCTGTCCATCAAGAGTCCAAATTCCTGGTTTGAGTTTTCAGGAAATGTGCACAGAGGGAGTAAC
GTCATGCGCAAGGTACCCCAGAGTGTGTAATCTTAGGTAAGCCATCCCAGCATTTCTGCACATGTTGATAG
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AAAGTCCAGCTCTGTGCCATGTGCCAATTGTCATCGGAATGTGGTCATACCTCTGGTGGTGCTTTCAGAAT
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TAAACTGGGCAGCGAAACCTCTAAGATCTGAGCTGGAAGAATTCAACAGGGCAAGGCCAAAAATTACCTCT
TGTACTTTGCTTAATTTGAGCACTTTACTCAGCTGGGCAAATAAGTGGGGTGCAGGCTTTAAACTCTTCTG
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ACTCCTGAATCAGAAACTGAGTCTGATGGAAATCTTTGCCACTGCTTTTACCATCGCCACTGAAATCCACA
TGCGAAAATAGGCAGCGTAATAAATGCCTGTCTGCCTCAGGACCGTGCCGATTCACAATATGCTGTATTTC
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AGAGCGAGTCAAGATTCATTGCTGGTTGGGGCGGAAGCAGGCGGCCGAGCCCGGCGCAAAATCACCATTAT
TCCCCTTTAGTCACCTCAGAGGCAGGTTAATGCTTTCTTTGTAATTAGGCTATATCTGGTATCTGTATAAT

Table 6
545/3331

ATCTTCAGTTCTTCTTTACCAGGGGTCTTACTCTGTTCTGAAACATGGCACCTCAGGCGGCTCCGGCAGCG
CTGGACACAGGAAACTCCTGGGTCCCCGACTCCGGCTCTCCTCGACCCCCTCTTCGGTTAACTCCGCTTGT
TTCTCTACAAAATGGCGCCGGCCGCCTACCTCGGCCGCCACCGCGGTGAGCTCCAA
Table1 3359
AGTAGAATATTGATTGTCCTATATCCCATTTTCTTGAAGAGATTCTGGCTTCTAATATATGTTCC
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ATCTATTTCATCACCTGGCTCTGGATGCCTCCTCTCTTTACCATTGGGGAAAGGCATTTGCTGATTCCTTT
TGATATACCTGAAGTATTGATGCTAGAGAAATCACTTCCAATATAACAGCATCGTTTGCAGATTTTCACTT
CTGTGCTGCCTCAAGATTATGGN
Table1 3360
ACAAGCCGTCCACTGCAGGAATGACGTGCTGTAAAAGGGATGCAGTGTCAAGTGTAGTCATGGAT
GGGTGGGAAGACCAGACAAAGGCATCCAATGGGACTGACTTACCTAAACAAACCAGAAGGAAGTCAGAACA
GTGGGAAGATCTGATAGATAAGCAGTATTCTGCAGGCAGATGAAGGAGCAAGCTTTGGGCCCCCAAATCTT
CACCAGTGCATCCACATTACAGAGGATAATGCCTGAGGGAGGGGAAGATCATCTCAGGATTCTGGAACACT
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ACCAGCTCGTCCAGGCCAGGAGCACCTGATCATTCTCAGAGTTACGTACCTCGGCCGCTCTAGACTAGTGG
ANNNNNNNNNNN
Table1 3361
acattgttgtatgtcccgcacaggtccactgcttctctccgatttgtccgcgttattatctcgcc
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Table1 3362
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Table1 3363
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Table 6
546/3331

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Table1 3364
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GCTCCAATTCGCCCTA
Table1 3366
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Table1 3368
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Table1 3369
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GTAATTGGTTGTCTTACCTAATAATCAGTTNN
Table1 3370
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Table1 3371
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Table1 3374
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Table 6
548/3331

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Table1 3375

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Table 6
549/3331

GCTGCTGTGCGTGGAAAAAGACGATGTTTATGTTCTTATAGAATAAAAGCTGTGGAATGAAGCNNNNNNNNN
NNNNN
Table1 3376
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Table1 3377
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CCGAGGTCCCATTGTTGGCGCTGAGGTGTCTGGCCTGAGGTCAATGGTGCAAAGGAGCCGCCACCGGGCAT
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TTCTTCCTTGGCCAAGAGAAGGGCTTACAGGCATGGACATGCAGGTTGGCAAACGGGCTTGACTTTGGCTG
ATTTAAAAAGTGAGAAAGAAAGTAAAAAAGGTTAATTTTTCCTTCCTCTGTAAGATATCCCAGCTTTAAAA
AGAAAAAAAAAGAATTACCAAGAGAAGGGGACTTCTCTTCCAGTTTCTGTAAGGTCTTACATTGCCTGACT
AAAATGTTTCATTTACCTCTAAATTTCCATATCCTTCTGGCTGTAGATAAATAATGTAGTTTTGTTTATGC
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TCTCCCTATCTTGTGAAGTTGTTTTTTTAAATCGCCTTGAACAAAAAGTTTTTTTTTTGTTTGTTTTTGCT
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TAAATACAAATCTGTATAAATGTCTATTATTATGAAGAATTGCCAATCTTGTTTTAAGCAAATGCATTCTA
TCGTTATTATAAATGTTAGTTCTAGCTCTATTTACTTCTAATCTTAAATCAGAATAAATTAATATTGTATT
GCTGCTGTGCGTGGAAAAAGACGATGTTTATGTTCTTATAGAATAAAAGCTGTGGAATGAAGCNNNNNNNNN
NNNNN
Table1 3382
NAGTTCTAGAGCGGCCCGAGGGTACGCGGGGGAGAGATAAGAGCTTTCCCGGAGACGGCGGAAGC
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TGGTCTGCCTGCCTCGGCTTCCCAAAGTGCTGGGATTACAGGTGAGGGCTTGCTTGTCCAGAAAAGGAAAC
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GTTACTTACATGATTGTGGTGGTGCCATGCAGCAAGAATCAGAGAGATGCAGAGTTAGAGCCAGAAGGCCT
GACATGGCACTTTATGTACCTAAAGCTCGTAGGGGTGCAGTACTCCTTAAGACAGGTGATGAAGAAGAAAG
CTGTGGTTCACCTAACTC
Table1 3387
ACCGCGGGAGCTCGGGCTCCTGAGGGCGACGGTCCTCTGATGGCAGATGCGGGAGAAACCTCTGG
CGTCAGGCGAGCCCTCGCGTGGAGCACACGAAAGTCGTGGCTTATTCTGGCTTCAGTATGTGGGGTGGAGA
AGGCGATCCACGCAGCTGCGTCTATTTCCTGTGGATCAATCGCAAAATACGTTCTGTAAGCCCCGCCCCCA
CTGCGTGCGGGCGGCTTTTGTCTCCACGGCAACCGTCAACTCTGGATACGCCTGTCTTTCTCCATGGCAAC
TGTCTACGCCGCAGGCTGGAGCTGCCCATTACCGGAGCCCATATGGCAATGACCCTTGGCCAGTCTCTGGG
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AGATGT
Table1 3388
ACAAAAAATTCTACATGCTGTGGCCATAGCTGGCGAGCCACTAGGACCTTGCACTTTTCCTATTA
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GCCCCGCTCCCCCCAACACACACACANNNNNNNNNN

Table 6
550/3331

Table1 3391
CGACCCACGCGTCCGGCTTCCTGGGCCTCACGGCGGCGGAGGCGTGGCCACAGCCTGAGAGGCGG
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GTGTCGAGTGGCTCTTCCTGGCTGCTGAGGCGGGTTAAGGTCTGAGGGTCTTGTGGGGCCACGGCGCTGAT
CACCAGGTGTTTGGCTTGGTCGGTTCTTATTTCTCGCCTGGCAATGGCGACGTACACCTGCATAACTTGCC
GGGTGGCGTTCCGCGACGCGGACATGCAGCGGGCCCACTATAAGACGGACTGGCACCGCTACAACCTGCGG
CGGAAGGTGGCCAGCATGGCCCCAGTGACCGCCGAGGGCTTCCAGGAGCGAGTGCGGGCGCAGCGGGCCGT
CGCGGAGGAGGAGAGCAAGGGCTCGGCCACCTACTGCACCGTTTGCAGTAAGAAGTTTGCCTCTTTCAACG
CCTACGAGAACCACCTCAAGTCCCGGCGTCACGTTGAGCTGGAGAAGAAGGCCGTGCAGGCAGTGAATCGG
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CCAGCGGAGGGACACAGCCGGAGAGCCAGAACGGACGAACCAGAGGCCCGATCCGGCCTCCACACAAGACT
GAGAGCAAAGGCAACACGAGGCGTACAACACCACTGTCTCGTCCCATCNNNNNNN
Table1 3393
NNACTTCCGGGGCGGCGGTTGCATCAGATTCTAGGAAGTGTCTGTAGCCGCAGCTGCGGGTCCGG
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GAAGATTCCCCCCAGTGAGATGTTCTTGTCAGAAACCGACAAATACTCCAAGTTTGATGAAAATGGTCTGC
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CTGGAGAATTTTTAGAACATTTTGTTTGGGGGGGGCGCCGTGTTTTTTGAAATGGGCATAGGGTCCAGAAA
CTCGGTCATAAAGGCTGGGTTTCCACATAAAAAACCGGGGGCCCGGGGTTGGAACACCAGGGGTTGGGGCT
CGGGGTTCAGGGCCGGCGN
Table1 3394
ACGCGGCCCTCCTGGCCCCGGTGTGTGGGTCTGTGACAGGGTCCAACAGGGCCTGGTCCGTGTCC
GGTCCCCCAAATCTGTCGTCCCTGCCCCCAGGCATTGGCATCAACAAAAGTCAGAATTCCCGGGAACTTGA

Table 6
551/3331

ACAGAGGCTGCTAAATTCCCAGTAATTGCTCCTTTGGCCTTCTAGGGACTGACTTCAAAGAAGGAAGGAAA
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GCTTCAGAACCTTTCTGCTCATCTGCTGATTCCTCGTGCTGGGTACTCAATCTGCAATCTCGGACCTTTCT
TGGATCTTGAGCGAACTCCTGCTCCTCACCAGACTCTTGGATGTACAGGGGCCCCCAAGACTCGTATTTGT
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TCCCACACCGGTTTCTGTTCGTTTGGAGGAGTTGAGACCTGGTGTCCTGGCTCATCCAGTTCCCGCTCCAG
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TCCCTATAGN
Table1 3398
NNNATTCTCGCCGCAGTGGGTGCGTGTGTTTGTGTGGCGCTTGCGCGCCGCGTTGTTGCTACGTC
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Table 6
552/3331

TTCAATTTCCAGTACTCCAGTGTCTATATATCTCTGGGACCTTTTTAACTCATCAGAAAGCTGTATGGGTA
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CAGATGTCATAGCAAGCACAAAACACAAAGCTGCAAAAGCCCATCCAGTTTTATTAAAGAGAAATTCCATA
TTACTTCTTCGAAGATACACAGTCCACCATAACAGCCAAAGCATCCCAACATAAGGGGACCAGCATAATTT
GGGGGTCTAATCACTTTAATATTGACATCATCGGACG
Table1 3399
NATAGGGAGTCGACCCACGCGTCCGGGACAGGAAGTGTCAGGACTTTACGACCCGCGCCTCCAGC
TGAGGTTTCTAGACGTGACCCAGGGCAGACTGGTAGCAAAGCCCCCACGCCCAGCCAGGAGCACCGCCGAG
GACTCCAGCACACCGAGGGACATGCTGGGCCTGCGCCCCCCACTGCTCGCCCTGGTGGGGCTGCTCTCCCT
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CGGCCACAGCTGCTCATGAGGGGCTGTGCGGCTGACGACATCATGGACCCCACAAGCCTCGCTGAAACCCA
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CCAGAGGTGACTGTGATGGCGTGCAGATCAATGTCCCGATCACCTTCCAGGTGAAGGTCACGGCCACAGAG
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Table1 3401
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CATGAGCAGCTCTGAGGAATTTCCCAGCTTTGGGGCTCAGGTGGCTCCCAAGACCCTCCCTTGGGGCCCCA
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TGACCTCAGGAAGTGGAATACCTAGCTGACGTGGTGGACAGTGAGGCGCTGCAGGTATACATGAAACCCCC
AGCACACGAAGAGGCCAAGGCACCTTCCAGAGGCTTTgctGgtgCGGgacgcaccctggaccgccagcagc
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Table 6

CAACCACACAATGGTTTGTCTCAATCTGACCCAGCGGCTGGACCCTCCGTAAATTGTTGACGCTCTTCCCC
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CGCTCAGGACCTGCTCCACTGTTTAACACTAAACCAAGGTCATGAGCATTCGTGCTAAGATAACAGACTCC
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GATTCCACTTCCTGTGTCATGACCTCAGGAAATAAACGTCCTTGACTTTAGAAAAAAAAAAAAAaAaggac
tAC

Table1 3405

NNNNNNNNNNNNNNNNNNNNNNACTTCTAGCATTAATTACGCCAGCCACCATGCTAGGTAACAAG
CGACTGGGGCTGTCCGGACTGACCCTCGCCCTGTCCCTGCTCGTGTGCCTGGGTGCGCTGGCCGAGGCGTA
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CTCTTGATGAGAGAAAGCACAGAAAATGTTCCCAGAACTCGGCTTGAAGACCCTGCAATGTGGTGATGGGA
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TCCTACCAATGCATGCAGCCACTGTGCTGAATTCTGCAATGTTTTCCTTTGTCATCATTGTATATATGTGT
GTTTAAATAAAGTATCATGCATTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATAGTCAGGATTATT
TTCGTTAAACTTATTATTAACAATTAGTCATTATAGTCTCCCTCAACTAGCAGATTCAGGGTTCGTTTCGC
TAATATTAAAACAGCGGCTATGAAAGATATGAAGATATGATTATTCATGATAACCAAGATCAGCTGTGTGG
TGTGTGTGTATGTGTGTAAAACATATAGATGCATTTGAAGATATTGATCAAAGGAATGCTAATTTGGGAAA
TTTTTCTGAGCTTTCCCCCCATTAACATTGGAACCCTTTTGCTAACCTTGTTAACCAGTGCTGTCAGCAGA
AGAACTTCCTGACTAACTAGAGCTTTCTGTGGAATGTCCTTTATCCCTCTGTCTAATACGGCAGCCACTAG
CCACATGTGGTTTTTGAGCCCCTGAATGTAGTAAGTGCAAATAAAGAGATGAGTTTTAAATTTTATTTAAT
TTTAATGAATTTTAACTTAAATGGCCATTAAGTCTCTAGTGGCTACCATATCAGACCGTTGAGGTCTATAC
ATCTATTTTGGTCACTACTGTTAGAATTTGAGTGAGAAATACAATGAGTGGGATGATTATCTTTTCATACA
ACATGGGGCATGTTAATTAATTTAGCTGAAATTTATTAAACTTCCTCCTTCATGT

Table1 3407

NNNNNNNNNNNNNNNNNNAATTTGTAGGAAAAAGCGAAAGTGTGAATGAGGATACATCGAATCCTA
TTTTAACTTAGACAGCAAGACTTGGCTAAGAGTCGCCAACTCTGTTTTGTCCTATTTTGCTCAGTTCTTTG
CATGGCCTTCTATTTCTGTGCCCCACCATGGGGTTACACCCCTAAAACACATTGGCCCAGCATGATATGTG
TGCTGGCTTGCCAGCCAAGTGGCCCGAAGCTCCTCTTGAGTGCACTGCAGTACAACCACTTGACTTGCTCT
TTAACATAGTCCTGTGAGATGCCAGCTGCCATGACCAAGCAGTATTCCCACTCCTCCTCTACACTCTGGCA
AGGCTTTCCTGGAACATCCCCATGCCCACATCTTTACCCAGTAACTCACTAAAGCCACTCTTGACTCAAGC
AGGTGCCGTTCCTTGATCACGGAATCTACCTTTGATTTCATCAGGCCAGATTCACAAACAGAATGGGAGTG
CTTTATCTATACCTTTGAGAGGATGGAGAGTGAAATAACTGGAAACACTGGGTTATCACAGCTTAATTTCA
TCCAGGCTTGGTGTCTTTACCAAAGATGGTTGGGGAAAGGAAGGGAGATTCATCTTGTTCAGGCAGTGATT
TGCTCAGAATTTTACAAGACATACCCTATACAGACCTATTTGAATTCTACTGTGGGTTTATTGAACCAGTG
TTGGAACAACTTCGCAAAACAGACCAGGCCAGTTAGGTACAGCCTCATGAGTTGGCAGGTAGCAGCAGCCC
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TTGCCATATAGCAATCACTACTATTAGTGCTGTACTTAATTATTTGTTTATCTGATTTCTAATTGTTAATG
CTTCCCCCAAATATTGTGTGACATTTGTAATTAATAAAAATCACTTAACGATAAATTAATAAGCAGTTCAT
ATTTATATTTTTACTTAATTACNNNNN

Table1 3408

CCTCTAAGTCTCCGCCACGCAGGAAACAAAAGCGATAGAAGGTCCGTTCCTGTCCTCCGGTGCTT
TGATGAGTTCAGGCTGAAGCCGATGGGGGAGGAGGAGAAGCTGCAAGTTAACAGCTGAAGAATAAGTTCAT
GAAAAAATTGCCACGTGATGCAGAAGCTTCCAACGTGCTTGTTGGGGAGGTTGACTTTTTGGATACTCCTT
TCATTGCCTTTGTTAGGCTACAGCAGGCTGTCATGCTGGGTGCCCTGACTGAAGTTCCTGTGCCCACAAGG
TTCTTGTTCATTCTCTTAGGTCCTAAGGGGAAAGCCAAGTCCTACCACGAGATTGGCAGAGCCATTGCCAC
CCTGATGTCTGATGAGGTGTTCCATGACATTGCTTATAAAGCAAAAGACAGGCACGACCTGATTGCTGGTA
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CCTAAGAGTCTTCCATCCTCTGACAAAAGAAAGAATATGT

Table1 3411

ACTGATGACACAAACATGGCAGACACTTTCACCGAGATTATGACCATGATGTCGCCTTCACAGTT
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ACCTGGAACTGGATGCAGCCGAAAAGGATCGCAAGCTTCAGGAGAAAGAGAAGCGCATCGAAGAGCTGAAG
AGGAAACTGGAACAAGAGCAGAAGCTCGTGGAAGTGCTGAAAATGCAACTTGAGGTTGAAAAACGAGGGCA
GCAGCCATCGGCCCCTGTAAGCCCAGCCCAGTGCCCCAGGTCATTCTGTCAAGTCAGATCAGAAACACCGC
AGCCTTGGCTCCTTCATCAAAGATGAGGCCTAACTCCCTGACTGTTCCAGCTTCAGGCAGCCCATCCCAGT
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TCAAGCAAGAGGNN

Table1 3412

catagtaagtgaggagtacatttcttggtcttctcccttgaccactccaagtctctgatctacca
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CGGAAGAGGTGATTTATTATATGGTTGTTACACTCGGCCACAAATAAACACAGAAATAGTCCAGAATGTCA
CAGGTCCccaGGGCAGAGGACCCAACATGGGCATTTTGTTTATGAAGCAAGGTGGGTCCTCAGAGGTGATC
GGCGATCAGAGGGCGATGAAGTTCTAGATCCATTGAGACAAGCTCTAGACAGTAGCATGCAGTCCCACAAC
TTGTACCAGCATCCCCAGCGTCTGGCATTCCATGTTTCTGCTCCTGTGGCCTCCACGGTGCAACAAGCTAG
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TGAAGCGCAAAAGAAGAAAGATGAGGCAGAGGTCCAAGTAAACCGCTAGCTTGTTGCACCGTGGAGGCCAC
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GCATTCCATGTTTCTGCTCCTGTGGCCTCCACGGTGCAACAAGCTAGCGGTTTACTTGGACCTCTGCCTCA
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TGTGATGATGCTAAGTGCCGAGGTCAGATGTCTATGGATTGTACACGGAATCCCAACGCAGGAACCAAAAA
ACACTCACCCAAAAAAATGGCGCGGACGc

Table1 3413

cGGGGACACATGCGCAGGGTTGGGCGGGTCTTCTTCCTTCTCGCCTAACGCCGCCAACATGGTGT
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ATTGTAGATGTTATTGATCAGAACAGGGCTTTGGTCGATGGACCTTGCACTCAAGTGAGGAGACAGGCCAT
GCCTTTCAAGTGCATGCAGCTCACTGATTTCATCCTCAAGTTTCCGCACAGTGCCCACCAGAAGTATGTCC
GACAAGCCTGGCAGAAGGCAGACATCAATACAAAATGGGCAGCCACACGATGGGCCAAGAAGATTGAAGCC
AGAGAAAGGAAAGCCAAGATGACAGATTTTGATCGTTTTAAAGTTATGAAGGCAAAGAAAATGAGGAACAG
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AGTTCCAGCAAAAAAGATCACCGCCGCGAGTAAAAAGGCTCCAGCCCAGAAGGTTCCTGCCCAGAAAGCCA
CAGGCCAGAAAGCAGCGCCTGCTCCAAAAGCTCAGAAGGGTCAAAAAGCTCCAGCCCAGAAAGCACCTGCT
CCAAAGGCATCTGGCAAGAAAGCATAAGTGGCAATCATAAAAAGTAATAAAGGTTCTTTTTGACCTGTTGA
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ATAATAAACATTAAATAATCAAAAAAAAAAAAAAAAA

Table1 3415

NATAGGAGTCGACCCACGCGTCCGCCGCAAGGAGGAGCCGGCGGTAGCTTGGTTCCTGAGCGGAT
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TCCTCTGCCGCCGCTGCCGCCATGATTCCGGTGTCGCTGGTGGTGGTGGTGGTGGGTGGCTGGACTGTCGT
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ACGGACTGAGCATCTCCCCTTTCCACATAAGATGGCAAACTGCTGTTTTCAATCGTGCCTTTTACAGTTGG
GGACGGCGGAAAGCAAGGATGCTTTACCAATGGTTCAATTTTGGAATGGTGTTTGGCGTAATTGCCATGTT
TAGCTCATTTTTTCTCCTTGGAAAAACGCTGATGCAGACTTTGGCACAAATGATGGCTGACTCTCCCTCTT
CTTATTCTTCCTCCTCTTCTTCCTCTTCCTCCTCTTCTTCCTCTTCCTCTTCTTCATCTTCTTCCTCTTCC
TCGCTTCACAATGAACAGGTGTTACAAGTTGTGGTTCCTGGTATAAATTTACCCGTCAATCAACTGACCTA
TTTCTTCACGGCAGTTCTCATTAGTGGTGTTGTACATGAAATTGGACATGGGATAGCAGCTATTAGGGAAC
AAGTTCGATTTAATGGCTTTGGGATTTTTCTCTTCATTATTTATCCTGGAGCATTTGTTGATCTGTTCACC
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CCTTGCACTCTTGGGTATTTTAGCTCTTGTTCTCCTCCCAGTAATTCTCTTGCCATTTTACTACACTGGAG
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ACAGTGAGCATCACCAGTTTTATCCCACGTTTTAACTTTCTAAGCATAGATCTGCCAGTGGTTGTGGAGAC
ATTTGTCAAGTACCTGATTTCCCTCTCAGGAGCTCTGGCTATTGTTAATGCAGTACCCTGCTTTGCTTTGG
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Table 6
555/3331

GATCTAATAGGGTTTTTCATCTTGCTGGGTGGCAGTGTACTTTTGGCTGCCAATGTGACCCTGGGACTCTG
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AATATTCATTGCCATTGAAATTCTTACTTGGTATGAAATATAAAGTGTTTCCTTAAAATTACATCTTAGCC
AACAACCCTGAGCTCCTCCCATATCCAGAGTACCCAAACTCTGTGGTAGAAGATAAGCAGAAGAAATGAAA
GGCATAGTCCCTGACTATATTCTAATTTAGGACTGAATGTACCCAGATGCTTGTGGAATAATATCTAAGCA
AGTGCAAATTCATGTAATACCGTTTTGTCTGATTACATATTGTGTTGAAATAGTATAAAGGAGAACAGAAC
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CTTTGCCTCCGGGCCGGGGAATCACACACTGGTCGTGACCAGGGGCCGGGGCATTCAACACCGGCCTTCCA
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Table1 3416

NNACGCGTCCGCGCGACGGGGCGGTGCGCGGAGCCTCCAGCCGAGCCTAGCCCTGCCCGGCCCCG
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CTACCCGCAGCCTGGCTACGGTCACCCTGCTGGCTACCCACAGCCCATGCCCCCCACCCACCCGATGCCCA
TGAACTACGGCCCAGGCCATGGCTATGATGGGGAGGAGAGAGCGGTGAGTGATAGCTTCGGGCCTGGAGAG
TGGGATGACCGGAAAGTGCGACACACTTTTATCCGAAAGGTTTACTCCATCATCTCCGTGCAGCTGCTCAT
CACTGTGGCCATCATTGCTATCTTCACCTTTGTGGAACCTGTCAGCGCCTTTGTGAGGAGAAATGTGGCTG
TCTACTACGTGTCCTATGCTGTCTTCGTTGTCACCTACCTGATCCTTGCCTGCTGCCAGGGACCCAGACGC
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CAGTATGTACCAAACCAAAGCCGTCATCATTGCAATGATCATCACTGCGGTGGTATCCATTTCAGTCACCA
TCTTCTGCTTTCAGACCAAGGTGGACTTCACCTCGTGCACAGGCCTCTTCTGTGTCCTGGGAATTGTGCTC
CTGGTGACTGGGATTGTCACTAGCATTGTGCTCTACTTCCAATACGTTTACTGGCTCCACATGCTCTATGC
TGCTCTGGGGGCCATTTGTTTCACCCTGTTCCTGGCTTACGACACACAGCTGGTCCTGGGGAACCGGAAGC
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GCTGCTGGGGCCTCCTTGCAGGCTTCTGGATCTCTGGTCAGAGTGAACTCTTGCTTCCTGTATTCAGGCAG
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AAATCTGGGGAAAAGCCGGTAACTTGGGGAGACACCCACCTGTACCAAGACGACACGGGAAACCCCTTCAC
AGCACACAGGCCGTGGGCCGCGAGAGCANNNNNN

Table1 3418

NNACTATAGGGCGAATAGTAGCTGCACGCGCGGTGGCTGCACCGCGGCAGGCGGCCGAGGCACGC
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ACTGCCTCGTGTTGTCTGTTGGCGCGCTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTG
CTTTGGCCTCATCTATAAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAATGTCCTGGAAA
GTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCATTGTCAACGGAA
TCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAATAAATATTTGT
TCATTTCTAAACACAGACCAAGAAGAAAAAGAACAAAGT

Table1 3419

ACTTTTTTCTTTTTTTTTTCTGTTTGTGGTCCGGCCTTCTTTTGTGTGTGCGTGTGATGCATCTTT
AGATTTTTTTCCCCCACCAGGTGGTTTTTGACACTCTCTGAGAGGACCGGAGTGGAAGATGGGTGGGTTAG
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Table 6
556/3331

ACACACTACCAGCCAGAGAGAGGAGAATGACAGTTTGTCAAGACATATTTCCTTTTGCTTTCCAGAGAAAT
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CAGATAGAAAGACTTGTTTATATTAAACAGCTTATTTATGTATCAATATTAGTTGGAAGGACCAGGCGCAG
AGCCTCTCTCTGTGACATGTGACTCTGTCAATTGAAGACAGGACATTAAAAGAGAGCGAGAGAGAGAAACA
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AANAAAAAAAAATAAAAAAAAAAAAAATAATAATAAAAAAAATCCTCGAGGGGGGGCCCGGTCCCCAATTC
GCCCTATAGGGAGTGGTTTTACGCGCGCCCACTGGGCCGTGTTTTACAACGTCGGGAATGGGAAACCCNNN
Table1 3420
GGGAGTCACCCACGCGTCCGGGCGGCGCGGCCGCGCGAGGGTGATGAAGGCCTACGAGTGCGGCG
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GGCCAGTACGTTCCTGGCAATGGCTTCAGCCTCATCGGGGCCCACACGGACAGCCCCTGCCTCCGGGTGAA
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GCACCTGGTTTGACCGTGACCTGACTCTGGCTGGACGCGTCATTGTCAAGTGCCCTACCTCAGGTCGGCTG
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CGGCCTTTATTCCACAAGGGCCCCGTGATCAAGGTGAACAGCAAGCAACGCTATGCTTCAAACGCGGTGTC
AGAGGCCCTGATCCGAGAGGTGGCCAACAAAGTCAAGGTCCCCCTGCAGGATCTCATGGTCCGGAATGACA
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ATCTCAGTATTCAGGAGACTGACGCGGGGAATTGGTTGAACACAGGAGGCGTTGGTTGCGTGAGCCTGAGA
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TGTGTCCCCCTTTGAGNNNNNNNNNNNNNNNNN
Table1 3422
ACGTCGGAAATAAACTATTTCCAGACTGATACTTCAGTGTTTCCTTTTATTTTTTATAGCGTATA
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ACACATTGTCTGGTCTTATATGTTAGTGCAACACACAGTATATATATGTTTAAGCAACTATTGGTGAGTGG
GGGCTACAGGGATTACCAGGAGATGATCTCTCAATTCAGAATGGCATTATTGTGACAAAGGCCACCAGATA
CCCACTCCTCATAGACCCACAAACTCAAGGCAAAACTTGGATTAAATCAAAGGAAAAAGAAAATGATTTAC
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Table 6
557/3331

CTCATTGAGGACATTCATGAAGAGCTGGATCCAGCCTTGGATAATGTATTAGAAAAGAATTTTATTAAATC
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ACAATGAAAGGACTTGAGAATCAGTTACTAAGGAGAGTCATTCTAACAGAGAAACAGGAGTTAGAGGCTGA
GAGGGTTAAACTTTTGGAGGATGTTACTTTTAATAAGCGGAAGATGAAAGAACTTGAAGATAACCTCCTCT
ATAAATTAAGTGCTACAAAAGGCTCATTGGTAGATGACGAATCTCTCATTGGTGTACTTCGAACTACCAAG
CAGACAGCAGCTGAGGTAAGTGAAAAGTTGCATGTGGCTGCAGAAACTGAGATCAAGATCAACGCGGCTCA
GGAGGAGTTCCGGCCCGCAGCCACCCGCGGAAGCATCCTCTACTTCCTCATCACAGAGATGAN
Table1 3423
CCACGCGTCCGGCTGCGGGAGGCGCGGCGCGGGGGGGGTCGGGTGCGCGGCGGGCCGCCCCTCCC
CCTGCCAGGTCCGGGCGGGTGCCTGGAGCCGCCAGAGTTTCCGCACCCGGGAGGGAGATGCGGCCGGGGCT
CAGGCTCCTTGCAGTTGTAATTTAGATTCGAGAAGTGGTTTATCCTTTGACTGGAAAAGAAAAGTAGCTGC
AGTATTCCCCCAGCACTTGCTGAGAGCATGCCGTATGCCAGGCTGTGAGGCTCGAGAGACAAGCAGTGGAA
GAGTTGCGGCCTGTTTCATCTCTGGATTGTAAATCTGAGCCTCCTTCTGGCCCCTGGAAGGGGACAGCATC
ACGATGGAATGATTCCTAACCAGCATAATGCTGGAGCCGGGAGCCACCAACCTGCAGTTTTCAGAATGGCC
GTGTTGGACACTGATTTGGATCACATTCTTCCATCTTCTGTTCTTCCTCCATTCTGGGCTAAGTTAGTAGT
GGGATCGGTTGCCATTGTGTGTTTTGCACGCAGCTATGATGGAGACTTTGTCTTTGATGACTCAGAAGCTA
TTGTTAACAATAAGGACCTCCAAGCAGAAACGCCCCTGGGGGACCTGTGGCATCATGACTTCTGGGGCAGT
AGACTGAGCAGCAACACCAGCCACAAGTCCTACCGGCCTCTCACCGTCCTGACTTTCAGGATTAACTACTA
CCTCTCGGGAGGCTTCCACCCCGTGGGCTTTCACGTGGTCAACATCCTCCTGCACAGTGGCATCTCTGTCC
TCATGGTGGACGTCTTCTCGGTTCTGTTTGGCGGCCTGCAGTACACCAGTAAAGGCCGGAGGCTGCACCTC
GCCCCCAGGGCGTCCCTGCTGGCCGCGCTGCTGTTTGCTGTCCATCCTGTGCACACCGAGTGTGTTGCTGG
TGTTGTCGGCCGTGCAGACCTCCTGTGTGCCCTGTTCTTCTTGTTATCTTTCCTTGGCTACTGTAAAGCAT
TTAGAGAAAGTAACAAGGAGGGAGCGCATTCTTCCACCTTCTGGGTGCTGCTGCAGTATCTTTCTGGGAGCA
GTGGCCATGCTGTGCAAAGAGCAAGGGATCACTGTGCTGGGTTTAAATGCGGTATTTGACATCTTGGTGAT
AGGCAAATTCAATGTTCTGGAAATTGTCCAGAAGGTACTACATAAGGACAAGTCATTAGAGAATCTCGGCA
TGCTCAGGAACGGGGGCCTCCTCTTCAGAATGACCCTGCTCACCTCTGGAGGGGCTGGGATGCTCTACGTG
CGCTGGAGGATCATGGGCACGGGCCCGCCGGCCTTCACCGAGGTGGACAACCCGGCCTCCTTTGCTGACAG
CATGCTGGTGAGGGCCGTAAACTACAATTACTACTATTCATTGAATGCCTGGCTGCTGCTGTGTCCCTGGT
GGCTGTGTTTTGATTGGTCAATGGGCTGCATCCCCCTCATTAAGTCCATCAGCGACTGGAGGGTAATTGCA
CTTGCAGCACTCTGGTTCTGCCTAATTGGCCTGATATGCCAAGCCCTGTGCTCTGAAGACGGCCACAAGAG
AAGGATCCTTACTCTGGGCCTGGGATTTCTCGTTATCCCATTTCTCCCTGCGAGTAACCTGTTCTTCCGAG
TGGGCTTCGTGGTCGCGGAGCGTGTCCTCTACCTCCCCAGCGTTGGGTACTGTGTGCTGCTGACTTTTGGA
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CAACACGCTGAGATGTGTGCTGCGCAGCGGCGAGTGGCGGAGTGAGGAACAGCTTTTCAGAAGTGCTCTGT
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TGATTTCCTTTTGAGTAATTTTTTAAAGCTCTCATTAGAGAGCAGTACAGTGTGAATTAGTCAAGTTTAAG
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GCACTCCAATGGGTAACTTCCTGATAAACATCAGTTTCTCTGTTTTTAAAACAAGAATTGAGTAAGAACAG
AGATTAAAGTAACAAATCCGTAGTATGATTTCTGAGCTCCCTTGTTCTCCTTCTTCAAGGGAGCAGAGCTC
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GTTTACGAAGATCTGATTGCTCTTGATTTTCTTGACAAAAATAAAATGAGACACACACATAGCAAAATTCT
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TTCCTAATATATTTAGATGTATTCAATAAACATTGTTAATTAAAAAATTTGTGTTCATTCTAACCAAACTG
GAATACATCCATAGTGATATGACTTTCACAGAAGTTTATATGTAGATTTCCAGATTTTATCCAGCTTAGCC
TTACAGGTAGGAAGGCATCCTCGTGTTCTAAAGAGATGTCTGCTGCCCTCGTTTTAAAGGCCTGAAGCTTC
TTGGCTTATCCGAN
Table1 3426
NNNNCTCTGTGCTGCGAGTGGCTAGCTGGGCAGAGCCCTGGGGGCGCGGTGCTGCCGCCTCCAGG
TCTCCGCCCCGTGTGTGCGCCCTGCACTTAGGGATCCCTCCCTCACTGCCCCGGTACTCACAAGCTTCTCG
GCCCCGACCTTCGCCCTGGGAGGTTCTGGCCAGGTGCCGGGAGGGGCGCTGTGTCGAGGGCGATCCCCCCA
AAGCAGCGTCCCGTGCTAAAGAAACAGAGCCTCACTCTGTCACCTAGGCTGGAGTGCAGTGGTGCAATTAT
GGCTCACTGCAGTTTCAACCTCCCAGATTCCAGTCATCCTCCTGCCTCAGCCACCCAAGAAGCTGGGACCA
CAGGGATCACATGCAGTGGTCTAAGGAAGAAGAAGCAGCAGCCAGAAAAAAAGTAAAAGAAAACTCAGCTG
TGCGAGTCCTTCTGGAAGAGCAAGTTAAGTATGAGAGAGAAGCTAGTAAATACTGGGACACATTTTACAAG
ATTCATAAGAATAAGTTTTTCAAGGATCGTAATTGGCTGTTGAGGGAATTTCCTGAAATTCTTCCAGTTGA
TCAAAAACCTGAAGAGAAGGCGAGAGAATCATCATGGGATCATGTAAAAACTAGTGCTACAAATCGTTTCT

Table 6
558/3331

CAAGAATGCACTGTCCTACTGTGCCTGATGAAAAAAATCATTATGAGAAAAGTTCTGGTTCTTCAGAAGGT
CAAAGCAAAACAGAATCTGATTTTTCCAACCTAGACTCTGAAAAACACAAAAAAGGACCTATGGAGACTGG
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CAATTTTGAACACTTTGGAGAACTCTCCGGAGTCCTTTCTGTATTGTTGTGATTTTGCTTCTGGAGCTGTG
GAGCTCGTAAAGTCACACTCGTCCTACAGAGCAACCCAGTGTTTTGCCTTTGTTCATGATGTATGTGATGA
TGGCTTACCTTACCCTTTTCCAGATGGGATCCTGGATGTCATTCTCCTTGTCTTTGTGCTCTCTTCTATTC
ATCCTGACAGGATGCAAGGTGTTGTAAACCGACTGTCCAAGTTACTGAAACCTGGGGGAATGCTGTTATTT
CGAGACTATGGAAGATATGATAAGACTCAGCTTCGTTTTAAAAAGGGACATTGTTTATCTGAAAATTTTTA
TGTTCCAGGAGATGGT

Table1 3427

NNACTATAGGGCGAATAGTAGCTGCACGCGCGGTGGCTGCACCGCGGCAGGCGGCCGAGGCACGC
GGGGGCTGATGCCATTTTCAGCCTCAGCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCC
ACTGCCTCGTGTTGTCTGTTGGCGCGCTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTG
CTTTGGCCTCATCTATAAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAATGTCCTGGAAA
GTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCATTGTCAACGGAA
TCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAATAAATATTTGT
TCATTTCTAAACACAGACCAAGAAGAAAAAGAACAAAGT

Table1 3429

GCGTCCGCGCGCTCGCCTCGGAACTTGCTGACTGCGCGGCCGGGAGGAGCCGAGCCGGGCGGGCG
GCGGCGGCGGGAGGCTACAGCGCGCGGGGGTCTCCCGCGTCCCCTCCGCCTCGCCGGGAGCTCGCGCCCTC
GCCCAGCCGAGCTCCCACCCCCGCTTTTTTCCGAAGGCGCTGGGCGGCGCCACCCTCCGGCCGGAGCCCGG
CACTGCACAACCCCCTCCGACTTTCAATGTTCCACACTCCCCGGCCAGAGCCTCCTCGGCTTCTTTTTTTC
CCTCCCCCCCCCTTCCCCCCCCCCACAGCTGCCTCCATTTCCTTAAGGAAGGGTTTTTTTCTCTCTCCCTCCC
CCACACCGTAGCGGCGCGCGAGCGGGCCGGGCGGGCGGCCGAGTTTTCCAAGAGATAACTTCACCAAGATG
TCCAGTGATAGGCAAAGGTCCGATGATGAGAGCCCCAGCACCAGCAGTGGCAGTTCAGATGCGGACCAGCG
AGACCCAGCCGCTCCAGAGCCTGAAGAACAAGAGGAAAGAAAACCTTCTGCCACCCAGCAGAAGAAAAACA
CCAAACTCTCTAGCAAAACCACTGCTAAGTTATCCACTAGTGCTAAAAGAATTCAGAAGGAGCTAGCTGAA
ATAACCCTTGATCCTCCTCCTAATTGCAGTGCTGGGCCTAAAGGAGATAACATTTATGAATGGAGATCAAC
TATACTTGGTCCACCGGGTTCTGTATATGAAGGTGGTGTGTTTTTTCTGGATATCACATTTTCATCAGATT
ATCCATTTAAGCCACCAAAGGTTACTTTCCGCACCAGAATCTATCACTGCAACATCAACAGTCAGGGAGTC
ATCTGTCTGGACATCCTTAAAGACAACTGGAGTCCCGCTTTGACTATTTCAAAGGTTTTGCTGTCTATTTG
TTCCCTTTTGACAGACTGCAACCCTGCGGATCCTCTGGTTGGAAGCATAGCCACTCAGTATTTGACCAACA
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CAGTTTGTAATGAGAGGATTTCCTTTTACCCTTTGTAGCTCAGAGAGCACCTGATGTATCATCTCAAACAC
AATAAACATGCTCCTGAAGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACACCAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAACGAACCACAGAAAAAGACAGAAACAACAAGAAAAGACATAAGAAAGAAACAAG
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CAACGCACTATATTAGGAAGAGAGGGGGCGCCCACAAGGAGGGGGGCATTCAAAATAACAACGAGAGGCGC
CGGGCGGGAAAACACACGCNNNNNNNNN

Table1 3430

NNGAGGACACTTGGGACTTGCCTGGCGACTTTGGCCGGACTTTTGCTAACTGCGGCGGGCGAGAC
GTTCTCAGGTGGCTGCCTCTTTGATGAGCCGTATAGCACATGTGGATATAGTCAATCTGAAGGTGATGACT
TCAATTGGGAGCAAGTGAACACCTTGACTAAACCGACTTCTGATCCATGGATGCCATCAGGTTCTCTCATG
CTGGTGAATGCCTCTGGGAGACCTGAGGGGCAGAGAGCCCACCTGCTCTTACCCCAACTTAAGGAAAATGA
CACCCACTGCATCGATTTTCACTATTTTGTGTCCAGCAAGAGTAATTCTCCTCCGGGGTTACTCAATGTCT
ACGTGAAGGTCAATAACGGGCCACTGGGGAATCCTATCTGGAATATATCTGGAGACCCAACACGTACATGG
AACAGGGCAGAACTGGCCATTAGTACTTTCTGGCCTAACTTTTATCAGGTGATTTTTGAAGTGATAACTTC
TGGACATCAAGGCTATCTCGCTATCGATGAGGTGAAGGTGTTAGGACATCCATGTACCAGGACTCCTCACT
TCCTGCGGATTCAGAATGTGGAAGTTAATGCTGGCCAGTTTGCTACCTTCCAGTGCAGTGCCATCGGCAGG
ACCGTGGCAGGAGACAGGCTCTGGTTACAGGGCATTGATGTGCGAGATGCTCCTCTGAAGGAAATCAAGGT
GACCAGCTCCCGACGCTTCATTGCTTCATTTAATGTTGTGAATACCACCAAACGAGATGCTGGAAAGTACC
GCTGCATGATTCGCACTGAAGGAGGTGTTGGAATATCAAACTATGCAGAGTTGGTAGTTAAAGAACCACCC
GTTCCTATTGCCCCACCTCAGCTCGCCTCTGTAGGAGCCACCTACCTGTGGATACAGCTCAACGCCAACTC
CATCAATGGGGATGGGCCCATTGTGGCCCGAGAGGTGGAGTACTGCACGGCCAGTGGGAGCTGGAATGACC
GGCAGCCAGTCGATTCCACGAGCTATAAAATTGGACACCTTGACCCAGATACAGAATATGAGATTAGTGTG
CTCCTGACCAGGCCAGGGGAGGGTGGCACTGGCTCTCCTGGTCCAGCTCTCAGGACAAGAACAAAGTGTGC
TGATCCCATGCGAGGCCCAAGAAAACTAGAAGTAGTGGAGGTCAAATCTCGGCAAATCACTATCCGCTGGG
AGCCATTTGGATATAATGTAACTCGTTGCCACAGTTATAATCTCACTGTCCACTACTGTTACCAAGTTGGA

Table 6
559/3331

GGACAAGAACAAGTGCGAGAAGAAGTAAGCTGGGATACAGAAAATTCACACCCTCAACACACGATCACTAA
CCTGTCACCATACACCAATGTCAGTGTGAAACTGATCCTCATGAACCCAGAGGGCCGGAAGGAAAGCCAAG
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GAAGAGAAGATATTTCTTCAGTGGAGAGAACCAACTCAAACATATGGTGTAATCACTTTATATGAGATCAC
CTACAAAGCAGTCAGTTCCTTTGACCCAGAAATAGATTTATCCAATCAGAGTGGAAGAGTTTCAAAGCTGG
GAAATGAAACCCATTTTCTGTTTTTTGGACTGTATCCGGGGACCACATACTCCTTTACCATCCGAGCTAGC
ACAGCTAAGGGTTTTGGGCCTCCAGCAACAAACCAGTTCACCACCAAAATATCAGCACCCTCTATGCCAGC
TTATGAACTTGAGACACCTTTGAATCAAACTGACAATACCGTGACAGTCATGCTGAAACCTGCCCACAGCA
GAGGAGCACCTGTCAGTGTCTATCAAATAGTTGTTGAGGAAGAACGTCCTCGAAGAACTAAAAAGACGACA
GAAATCTTAAAGTGCTACCCAGTGCCAATTCACTTCCAGAATGCTTCTCTGCTGAACTCACAGTACTACTT
TGCTGCAGAATTTCCTGCAGACAGCCTCCAAGCTGCGCAGCCTTTTACAATTGGTGATAATAAGACATATA
ATGGATACTGGAACACTCCCCTTCTCCCCTATAAAAGCTACAGAATTTATTTCCAAGCTGCTAGTAGAGCC
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TATTTCTTGGAGTTGTGTTGGTAATGAAGAAAAGGAAACTGGCCAAGAAGCGGAAAGAGACCATGAGCAGC
ACCCGACAGGAGATGACTGTGATGGTGAACTCAATGGACAAGAGCTATGCTGAGCAGGGCACAAACTGCGA
CGAGGCTTTCTCATTCATGGACACGCACAATCTGAATGGGAGATCTGTGTCTTCACCATCGTCCTTCACAA
TGAAAACAAATACACTGAGCACATCGGTGCCTAATTCCTATTACCCAGATGAAACCCACACAATGGCCAGC
GATACCAGCAGCCTGGTGCAGTCCCATACTTACAAGAAGCGAGAGCCGGCCGACGTGCCCTATCAGACTGG
GCAGCTCCACCCCGCCATCCGGGTGGCAGACCTCCTTCAGCACATCACACAGATGAAGTGTGCGGAGGGCT
ACGGCTTCAAGGAGGAATACGAGAGCTTCTTTGAAGGGCAGTCTGCACCATGGGACTCGGCTAAGAAAGAT
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AGAGATATATAAAGACATTAAAGTTACCCTAATAGAAACAGAACTACTGGCAGAATATGTGATAAGAACAT
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CATGGGGTCCCCTACCATGCCACCGGCCTGCTGGGATTCGTGCGGCAAGTCAAGTCCAAGAGCCCGCCCAG
TGCAGGCCCACTGGTGGTGCACTGCAGTGCTGGTGCAGGGAGGACTGGCTGTTTCATCGTCATTGATATCA
TGTTGGACATGGCCGAAAGGGAAGGGGTCGTAGACATCTACAACTGCGTCAGGGAGCTGCGGTCACGGAGG
GTGAACATGGTGCAAACAGAGGAGCAGTATGTGTTTATCCACGATGCGATCCTGGAAGCCTGTCTTTGTGG
GGACACCTCTGTGCCTGCTTCCCAAGTTAGGTCTCTGTATTATGACATGAACAAACTGGATCCACAGACAA
ACTCAAGCCAGATTAAAGAGGAATTCCGGACGCTAAACATGGTGACACCAACGCTGCGAGTAGAGGACTGC
AGCATCGCACTGTTGCCCCGGAACCATGAGAAAAACCGGTGCATGGACATCCTGCCCCCAGACCGCTGCCT
GCCCTTCCTCATCACCATCGATGGGGAGAGCAGCAACTACATCAATGCTGCCCTCATGGACAGCTATAAAC
AGCCTTCAGCTTTTATAGTCACCCAGCATCCTTTGCCAAACACAGTGAAAGACTTTTGGAGACTGGTCCTG
GATTATCACTGCACATCCGTAGTTATGCTAAATGATGTGGATCCTGCCCAGTTGTGTCCACAGTACTGGCC
AGAAAACGGAGTACACAGACACGGCCCCATCCAGGTGGAATTTGTCTCTGCTGACCTGGAAGAGGACATCA
TCAGCAGGATATTCCGCATTTACAATGCCGCCAGACCCCAAGATGGATATCGGATGGTGCAGCAATTCCAG
TTCCTGGGCTGGCCGATGTACAGGGACACACCAGTGTCTAAGCGCTCCTTCTTGAAGCTCATTCGCCAGGT
GGACAAGTGGCAAGAGGAATACAATGGCGGGGAAGGCCGCACCGTTGTGCACTGCTTGAACGGGGGAGGCC
GCAGTGGGACGTTCTGCGCCATCAGCATCGTATGTGAGATGCTCCGGCACCAGAGAACCGTGGATGTCTTT
CACGCTGTGAAGACACTGAGGAACAACAAGCCCAACATGGTCGACCTCCTGGATCAGTACAAGTTCTGCTA
CGAGGTGGCCCTGGAATACTTGAATTCTGGCTGATGGTGTAAACAGCTCTGCAAACAATCCCTTTCATACC
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CTGCTGCCTGACAGAAACACACACACAGCCACAGTTGCCAAATCCCGTACTCCTTGCCACCGGCTTCCTAG
AGCAGCGTAGACAGCTGGTAAACTGAAGAGCACAACTATATTCTTATGAAGGAATTTGTACCTTTGGGGTA
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CTGGCATTATGGTAATATATTATTTTAGGTAATATTTGTACTTTAACATGTTGCATAATATATGCTTATGT
AGCTTTCCAGGACTAACAGATAAATGTGTAATGAACAAAGATATGTTGTATGAGTCGTCGTTTCTGTCAGA
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TCACGGACCCAGAGCTTTTCCATGTGTTTATATTGTAAATATTTTTGATTTCATCAAATTATTTATTCATT
AAAAGAAATTTTTGTGAAGCACAGTGAGTGACAATCATTTTTCTTAAGGCCTGGAAACGATTTTCTGTATG
ATGTTACTTTATGTGAATTCTCATCTCAATAAATGATGACCCGTN

Table1 3431

NAGAGTGGAGCGGCCGCCGGAGATGCCTGACGCATCTGTCTGAGGAGCGGTCAGTGACGCGATGG
AGCGGGCAAGGAGACAGGGTCTGGCTATGTGCCCAGGTTGGAGTGCAGTGATGCAGTTATAGCTCCCTGTA
ACCTCAAACTCCTGGATCAATCTAGACTCCTGCCTCAGCCTCCCAAGTGCCTGTTAGTACAGGCTTGAGGG
ATCGCTTACACCTGAGACGAACTACAGAACAGCACGTACCAGAGGTGGAAGTCCAAGTCAAACGCAGAAGG
ACTGCCTCACTGAGCAACCAAGAGTGTCAGTTGTACCCGAGGCGTTCTCAGCAGCAGCAAAGTACCTGTGG
TGGATTTCCAGGCTGAACTGAGGCAGGCATTCTTAGCTGAGACACCAAGAGGTGGTTAAAGCCATATGGAG
TAGCGAGGAATCTGATTCCAAGCAAAAAACCAGGTTAGAGCTAATGCAGCAATGATCAAGAATAAAGAATC
ATTAAAGAATGGGGTGTGGGGGTCTCTTAATTATCAGTGACACATTAATTTTTTTCCTTAGAAGCTTCAAT

Table 6
560/3331

ACAATAAACACATTGAGAAAGTTTAAGAAAGTTTGTGGAGGGACCTTAAAATTTTCTGCCGTGAACTTTCG
GTCATGTTCTGTATTCCAGTATGTAGCGAAGGGTTCAGTAAGTGCATTGGGGTTTTAATCTCTAAAATATT
CACTATAAAGGCTCTGATACCTGTATGATGTTTTAAATTCATTGGGAGGGACATTTCGGCGCAGGTTGGGA
ACGTTATAATAGGTGTTTAGTAAAATTCATTGGAGCGGTCAGTGACGCGATGGAGCGGGCAAGGGATCGCT
TACACCTGAGACGAACTACAGAACAGCACGTACCAGAGGTGGAAGTCCAAGTCAAACGCAGAAGGACTGCC
TCACTGAGCAACCAAGAGTGTCAGTTGTACCCGAGGCGTTCTCAGCAGCAGCAAGTACCTGTGGTGGATTT
CCAGGCTGAACTGAGGCAGGCATTCTTAGCTGAGACACCAAGAGGTGGTTAAAGCCATATTGGAGTAGCGA
GGAATCTGATTCCAAGCAAAAACCAGGCTCCATCTACTCTTTGAAGCTTCTGCCCAGCTTGCATTGTTTCT
AGGAGAACCTGCGTCATACCTTTATCTATAGCCTTCCCCTAGGTCTTCAGAAGCATCAAGTTTTAACTGTG
GACATTGGATTTGGTGGAACAGCAATCATGACTGTTGGCAAGAGTAGCAAGATGCTGCAGCACATTGACTA
TAGAATGAGATGTATCCTGCAAGATGGCCGAATCTTCATTGGCACCTTTAAGGCTTTTGACAAGCATATGA
ATTTGATCCTCTGTGATTGTGATGAGTTCAGAAAGATAAGGCCAAGAAGCGAAGCAACGAGAGTGGAGCGG
CCGCCGGAGATGCCTGACGCATCTGTCTGAGGAGCGGTCAGTGACGCGATGGAGCGGGCAAGGGATCGCTT
ACACCTGAGACGAACTACAGAACAGCACGTACCAGAGGTGGAAGTCCAAGTCAAACGCAGAAGGACTGCCT
CACTGAGCAACCAAGAGTGTCAGTTGTACCCGAGGCGTTCTCAGCAGCAGCAAGTACCTGTGGTGGATTTC
CAGGCTGAACTGAGGCAGGCATTCTTAGCTGAGACACCAAGAGGTGGTTAAAGCCATATTGGAGTAGCGAG
GAATCTGATTCCAAGCAAAAACCAGGCTCCATCTACTCTTTGAAGCTTCTGCCCAGCTTGCATTGTTTCTA
GGAGAACCCGCGTCATACCTTTATCTATAGCCTTCCCCTAGGTCTTCAGAAGCATCAAGTTTTAACTGTGG
ACATTGGATTTGGTGGAACAGCAATCATGACTGTTGGCAAGAGTAGCAAGATGCTGCAGCACATTGACTAT
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CCCAAAGATACTGGCATTGCTCGGGTACCACTTGCTGGAGCTGCTGGAGGCCCTGGGGTTGGTAGGGCAGC
TGGTAGAGGAGTACCAGCTGGTGTGCCAATTCCCCAGGCCCCTGCTGGATTGGCAGGCCCTGTCCGAGGAG
TTGGGGGACCATCCCAGCAGGTAATGACTCCACAGGGAAGAGGCACTGTAGCAGCTGCTGCTGTTGCTGCG
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GGTCCACCTCCCCCAGGAATGCGTCCACCAAGACCTTAGCATACTGTTGATCCATCTCAGTCACTTTTTCC
CCTGCAATGCGTCTTGTGAAATTGTGTAGAGTGTTTGTGAGCTTTTTGTTCCCTCATTCTGCATTAATAAT
AGCTAATAATAAATGCATAGAGCAATTAAACTGTGAAAAAAAAAAAAAAAAAGTCGACGCGGCCGCGAATTT
AGTAGTAGTAGAANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Table1 3433
ACCGGAAGCAGCGAATGGAAGAGATGCGGCAGCAGCTTCACAAGGGGCCCCAATTCAAGCAGGTT
TTTGAGATCTCCAGTGGAGAAGGGTTTTTAGACATGATTGATAAAGAACAGAAAAGCATTGTCATCATGGT
TCATATTTATGAGGATGGCATTCCAGGGACCGAAGCCATGAATGGTTGCATGATCTGCCTTGCCGCAGAGT
ACTGTTTGCATTAATAAATTAAAGCTCCATAGGGTCTTCTCGTCTTGCTGTGTCATGCCCGCCTCTTCACG
GGCAGGTCAATTTCACTGGTTAAAAGTAAGGGACAGCTGAACCCTCGTGGAGCCATTCATACAGGTCCCTA
ATTAAAGAACAAGTGATTATGCTACCTTTGCACGGTTANNNN
Table1 3434
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3436
ACCTCCTTCAGCGGAAGGCCTCACCACCCACAGTGTGAATCCTGAGGTGCCGTCATTGGCGGTTC
TGCTGCTTCGCTGCAGGGATAAGGTGGAGCTACCGAACAGCTGATTCATATGCCAAGAATTTGGAGTCTTC
TTTCAAACCAGTGGGGGTTGGACAATGAATGTAGTTAACTGGTTCCTGCTCACACTCCAGAATTAAATTCT
ATTGAAAAAGGAAAATCAGCAATTCAGCNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNCCTTGCCCGGAGCGGTCCGCTCTAGAAACTAGGTGGTATCCCCCGGGGCTGCAGGAAAATTCGATATC
AANN

Table 6
561/3331

Table1 3437
NNNCGATTAATCGATTCCTAAAGATTTGGCTCGAGGCAAGATGGGGCCAGGGAGGATGAAGAAAG
AAGAAGGACTCCCCAGAAAACACGGGACTTCCCCGGAAGCTACTTGAAAAACATGACCCCTGGCCGGCCTA
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AAGTCTTCCAAGTCTTCTGGCAAAGCTGTGTTCAGGGACACGCTGTCAGAATCCACGTTATCAATGTGGGG
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GTGGGGACCAGGGTGTCCCCTGCTGAGAAATGGAGAGCTCTTTTCCCCTGTACTTCTCTGGGGTTTGCCGT
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ACTGAGTAAGGCTGACCTTACCTGAGTTTCTGTATGTGTATTTGCAAGACAGTTAATACTAATCCATCATC
CCTCACAGAGATGTAGAGGATGAGATGTAGTAACTTATAGCAGTGTCATTTGGAAAAGTTGAATTTGCCCT
ACAAGGCATGTTCTCCATTCAAGGGTCTTGTGTAAACGTTTGCAGACACAGGTGCAGCTTTGGAGAACTCA
CCTCTGGCTCTTGTGCTTTTATGTTGGGACAGCTGCCTAAATTAGGAGCTCTAGACCTGTTATTGGTTCCC
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Table1 3438
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CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
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Table1 3440
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Table 6
562/3331

Table1 3441
NNNCACCCACGCGTCCGCTCGTCGCTCGCTCCTTGACGGCTGACCGACACTGGGTCTGAGGTGTA
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TGGCAAGAGCTGGGTTTAGAACCGGACATGTTAATTAAGAGACTGCTTCACTGGGCCTAAAACTCTAAGAA
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Table1 3443
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CAAGGGGAGCCAGTTTGCCATTCGCTGGGGCTTTATCCCTCTTGTGATTTACCTGGGATTTAAGAGGGGTG
CAGATCCCGGAATGCCTGAACCAACTGTTTTGAGCCTACTTTGGGGATAAAGGATTATTTGGTCTTCTGGA
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CACCACGCCACCTGACACAAGGCCGAGAGATAAGAGAACGATGGGGTGGAAGTAGAGCGGACGAGAGGCTG
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CACTATAAGAN

Table1 3444
ACATTTCCAAAGTCAAGAGTCAAATAAAAAAATCCCATGGAATTTGGAGCCTATTTAGAACTCAA
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TCTTCCCATCACGTGGACNN

Table1 3445
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Table 6
563/3331

GGCAGACACGCTCCGGAAATTCTTATTCGATCTGGATGTTGATGATGGCCTAGCAGCTGTGTGGTTACTCC
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GTGTGCATAACTTACCTGTTACCAGTATAGGTGGGATATACATTTATCTGTGGCAGGAAATTCCCCAAAAG
CTCAGAGTCCAGTTCCTTCCATAAAACAGGCTGGACAAATGACCACTATGTTAGACCCCCAGGCTCGACTT
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GGGTTCAGGTGAAAACNNNNNN
Table1 3447
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCTTTTTAATTTTTTATTAAAAATGAAAGAAACACA
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AAATAAATTAGATATCCTGTACATAAAGTAAAAGACAGTCCAGTTGCAAAGTTAACCACTTCAGTATTAAC
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Table 6
564/3331

AGGGAAAACAGTTGTCCTCGGGGTCAATGAATTGCGCTTCCAGCCTGGTCTGTTAATTCGGTCAATTTTAT
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CTCACCAGGCGGAGCCGGGCGCGCGGAGGCCCCGCCTCCTCGGGGGTCGCGGCAGCGGTTCGGACCGCAGC
GCGGACGCGTGGGTGACTCC
Table1 3448
NATGGTATATCTCTCCATTTATTTACACTTTGTTTGATTCCTTCATTAGGGTTTTGTAGTTTTCA
GCATACAGGTCCTGTACTTACTTTGTTAGATGGTAACCAAGAATTTCATTTTTAAAAGTTGCATCTGTCAA
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Table1 3450
GGATCTTCGGCAAGACTCACGTCTCCAACAACCAAGCTCCCCAAAGTCCTGACCTCAAGCAATCC
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Table1 3454
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gcgtctctcgctTGTTCTTTCgttctcgtGTTATGTTTTCgtCTTTGtctccgtTGTGCTcttttTTTCTT
gtTTTTGTttttttTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTAAACCACAGCATGATAGCTCTTTATTTCTGTAAGTCCTGCTAGGAAATCATCAAATC
TGACGGTGGTTTGGGGGACCTGAACAAACCTCCTGTAATTAATCAGCTTTCAGTTTCTCCCCCTAGTCCCT

Table 6
565/3331

CCTTCAACAACATAGGAGGATCCTCCCCTTCTTTCTGCTCACGGCCTTATCTAGGCTTCCCAGTGCCCCCA
GGACAGCGTGGGCTATGTTTACAGCGTCATCCTTGCTGTGTGTGTGCCTCATGCATTGTGGCTCCAGCTTA
TCCTCAGTGATCTGTAGAGAGTGTCCACCTTGTGTCACTGTCCACTCTTCCAGGGTGGGCCCCACCCCTCC
CATCTCTGCACCCCACAAACAACATGGTCACCCGCGTCTTTGTGTGTGTCCACACTGAAACTGAGCGAGAA
GTCTTCAGAGACAGCCAGTGTTCCGAAGGAGAGGACGAAATTATACCCATTTCAGAAACATTGGCATACAC
CTGTGTCTGCCCATTCCTTTTCCTAGCAGACCTGGACTCCACACCAGAAAGCACAGGTCAGTAGGACTCAG
GAGGCTCGAGCTTCGGCCAGGTGAGTTCCAAGCTTCAGGTGTCCAGCATCCAGAAAGGCCAAGTGATGCCA
GAACGTGAGGTGGACTTAAATTTACTAGAGGTAGGGGTGGGACAGGGGCACTCAGGGGTTGGCTGCGATGG
TGTCCTTGATCCACTTCCGGTAATGCACCACCTTGGTGTACACAGCAGGCTTTTCAGGCAGGGCACATGGC
TCAGGGCCCCATGATGTGATACCTTGAAGCACACCATTACAGACAAGTGGACCCCCAGAATCACCCTAAGG
GTAAAGGAGGAGAGACACAGTGAGAAAGATTGGCCCCAATAACTGCCTAGGCAACTCCATCTCTCAGAACC
GCGCAGGCAGATGACTGAGAGCAATTCCCAGCTCTCAGGAACAGACAGAAATGTCTCCAGAACCCACTCCC
ACAAGAATATGGGCAGGGAGTCCAACAGAGGGAACAAGGCTCCAGTCTTGGCCTATGGGGAGGGGACTTCA
GGGTCCAGCTCCTGCACAAGGGGCAAGGTCCAGGAGGACAGTCCCTGCAGACAGGTCAGCAGGATGAGGGC
CGGGACCATCTGCAGGATGCTGCCCCCACAGGCACATCGCAGAGGCCACCTCTTCAGGACTACTCTCTGAC
TAGATGTCCCCTCTCCAGGGCATTGGGGAGCCATGGAGGGCCGTGGGCAGGGCTGGGTATGGTCAGTTCAG
TGATCAGAATGACCCACTGAGGCCAGATGGAGGATGGAGTGGAGGGGAGAGACTGAGGGCCAGGAGACTGT
GAGGGAGGCTGGGTGAGGGCCCAGGCAGGGGCAAGGCCTGGAGCCACCCCCAGGTCATCCTCATCGTcACC
GGACGCGTGGgtcGACTCCCTATa

Table1 3455

NNNAGTTTCAAGAAGAGTGACTGTCTCAGTGCCGAGTGCCTCAGCAGCTTCTCCACATGCTCTTC
AGTCCCCAAAGTTGGAGAATCCCATCAGAGAGAGAGGACAGAGAGCAAGTCACTCCCGGCTGCCTTTTTCA
CCTCTGACAGAGCCCAGACACCATGAACGCAAGTGAATTCCGAAGGAGAGGGAAGGAGATGGTGGATTACG
TGGCCAACTTACATGGAAGGCATTGAGGGACGCCAGGTCTACCCTGACGTGGAGCCCGGGTACCTGCGGCCG
CTGATCCCTGCCGCTGCCCCTCAGGAGCCAGACACGTTTGAGGACATCATCAACGACGTTGAGAAGATAAT
CATGCCTGGGGTGACGCACTGGCACAGCCCCTACTTCTTCGCCTACTTCCCCACTGCCAGCTCGTACCCGG
CCATGCTTGCGGACATGCTGTGCGGGGCCATTGGCTGCATCGGCTTCTCCTGGGCGGCAAGCCCAGCATGC
ACAGAGCTGGAGACTGTGATGATGGACTGGCTCGGGAAGATGCTGGAACTACCAAAGGCATTTTTGAATGA
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CTCGGACCAAAGTGATCCATCGGCTGCAGGCAGCGTCCCCAGAGCTCACACAGGCCGCTATCATGGAGAAG
CTGGTGGCTTACTCATCCGATCAGGCACACTCCTCAGTGGAAAGAGCTGGGTTAATTGGTGGAGTGAAATT
AAAAGCCATCCCCTCAGATGGCAACTTCGCCATGCGTGCGTCTGCCCTGCAGGAAGCCCTGGAGAGAGACA
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TGCATTCATCTGCCCTGAGTTCCGGCACCTTCTGAATGGAGTGGAGTTTGCAGATTCATTCAACTTTAATC
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GCCTTTAGACTGGACCCCACTTACCTGAAGCACAGCCATCAGGATTCAGGGCTTATCACTGACTACCGGCA
TTGGCAGATACCACTGGGCAGAAGATTTCGCTCTTTGAAAATGTGGTTTGTATTTAGGATGTATGGAGTCA
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GCTGTCTGTGGCTTCCCATGTCTTTCTCCAAAGTTATCCAGAGGGTTGTGATTTTGTCTGCTTAGTATCTC
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TGATATATTTTCCAGGGCAATCAATGTTCACGCAACTTGAAATTATATCTGTGGTCTTCAAATTGTCTTTT
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Table1 3457

NNNCGATTAATCGATTCCTAAAGATTTGGCTCGAGGCAAGATGGGGCCAGGGAGGATGAAGAAAG
AAGAAGGACTCCCCAGAAAACACGGGACTTCCCCGGAAGCTACTTGAAAAACATGACCCCTGGCCGGCCTA
TGTCACCTATACCTCTCAGACAGTGAAAAGACTCATTGAGAAAAGCAAAACTAGAGAACTGGAATGCATGC
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CGCTTATTCGGTATTGGCCATGGCTCCTACCATGATCCCAGAACCCACACACTTACATGCGGATTCCAGAG
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TACAAAAGTTAAGCTCCATTTACCACTCACTTGACAGTGTCCTTTAAATCTGAACTTGCTCTTGCTCATGC
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CTGCTCTCTGGTGGGTTTGGGCAGTCCCTGGCTCTAGTCTCTGCTGCAGATTCTCAGGACCAAAATGTGGG
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TTAACCAGGTGACAGTAAAGGGCAGGAAGGGAATACAAAGGTATCCATGGAGGTAGCACCACAGGAAGCAG
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Table 6
566/3331

ACATGGGGCTGAATCTCAGACTTCTGAGGTGGGGGAGTGGGGATGCCACTCAATGCAGCTGGTATCTCTGA
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AGGGGACCCCCATGAGGCTGCTTTTTGTGAGTGTTGGAAAAACCAAAAACTGCATTGAAATGTTTCTGGGAG
GAGTTGCCACTGCCTGGGTGAAGAAAAAGCACTGCTAGGGTTAGCAACCTGTCTGGCAAGGGACAGGAAGC
TGATAGAAAGTGAACAGGAAGCAAACAGGAAGTGAGCAAGGGGCCACTTCCTACTTCCTCCTTTAGCCTAG
CAGATTCCTTCTAGCTCCCCCTGGGGGCTGAGCCTATCAGGGCACAAAGCCAGAATGTGGTTTGTAGAATC
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TTGTCTTTACATGCAAGAGGGATCCAATTATGACAGGCTGACCCAGCTGGTTTCATGTTTGGGGTTTATCT
ACTGAGTAAGGCTGACCTTACCTGAGTTTCTGTATGTGTATTTGCAAGACAGTTAATACTAATCCATCATC
CCTCACAGAGATGTAGAGGATGAGATGTAGTAACTTATAGCAGTGTCATTTGGAAAAGTTGAATTTGCCCT
ACAAGGCATGTTCTCCATTCAAGGGTCTTGTGTAAACGTTTGCAGACACAGGTGCAGCTTTGGAGAACTCA
CCTCTGGCTCTTGTGCTTTTATGTTGGGACAGCTGCCTAAATTAGGAGCTCTAGACCTGTTATTGGTTCCC
AACTGTTGGCCAGAATGAATTCTTCGAAAAATATAGGTGGTTTCCAGGGAATTTGAATGATTGTATTTTGT
GTCCATGGAACGTTTATAGACATGGAGGCAGGCAATAAATTCCTCCAATAAAAAAAAATAAAGGAGAAAAA
AAAAAAAAACTCGAGGGGGGGCCCGGTACCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCG
GCGTTTTACAACGTCGGGACTGGN

Table1 3458

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table1 3460

NNNNNNNNAAGCGGCCGCGCGGCAGCTGCGGGGCGTGGGGGTGGTGGTGGCGGCGGCGGTGGTGG
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GGGATAGGGCTCCGCCGCGCCCCCTTGCTGGCCCCATGGAGGCGGCAGCGGCGGCGGCGGCGGCGGCAGCG
GCAGCGGCAGCGGCGGGCGGGGGCTGTGGCTCCGGGCCGCCGCCGCTGCTGCTGAGCGAGGGCGAGCAGCA
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ACAGTTTTACATTGCCCTGAAATTAATTGCTGCAGCACAATCTGGCCTCCCGGTACGGATAGAGAGTATTA
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TGAGGATAAACAGCAGGAAACACAGTCTCCCACGATGTCACCCCTCGCCTCCCCTCCTTCTTCCCCGCCTC
ATTACCAGAGGGTGCCCTTGAGCCATGGCTACAGCAAACTGCGGAGCAGCGCAGAACAGATGCATCCAGCA
CCTTATGAAGCTAGGCAGCCCCTTGTCCAGCCCGAGGGATCCTCATCAGGGGGCCCAGGAACCAAGCCCCT
TCGGCATCAGGCTTCCCTTATCCGGTCCTTTTCAGTGGAGAGGGAACTACAGGATAACAGCAGTTACCCCG
ACGAACCCTGGAGGATAACAGAAGAACAGCGCGAGTACTATGTCAATCAGTTCCGATCCCTTCAGCCAGAC
CCAAGCTCTTTCATTTCAGGTTCTGTGGCCAAGAACTTCTTCACCAAATCAAAGCTTTCCATTCCAGAACT
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GGCAAATCAACAACCTCGTGACTTGAATCGGATGGAGAAGACATCTGTTAAAGACATGGCTGACCTTCCTG
TCCCTAACCAGGATGTAACTAGTGATGACAAACAAGCTTTGAAAAGTACTATCAATGAAGCCTTACCAAAG
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AAACCCATTCCAGAGCCTCCTCCTTGGATCTGAATAAAGTCTTCCAGCCCAGTGTGCCAGCTACCAAGTCA
GGATTGTTACCCCCACCACCTGCGCTCCCTCCAAGACCTTGTCCATCACAGTCTGAACAAGTGTCGGAGGC
CGAGTTACTCCCACAGCTGAGCAGAGCCCCATCCCAGGCTGCAGAAAGTAGTCCAGCAAAGAAGGATGTAC

Table 6
567/3331

TGTATTCTCAGCCACCATCAAAGCCCATTCGTAGGAAATTCAGACCAGAAAACCAAGCTACAGAAAACCAA
GAGCCTTCCACTGCTGCAAGTGGGCCAGCTTCTGCGGCAACCATGAAACCGCATCCAACAGTCCAAAAGCA
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GGCTGAACAGTGAGCTCCAGCAGCAGCTCAAGGAGGTTCATCAAGAACGAATTGCATTGGAAAACCAATTG
GAACAACTTCGTCCGGTCACTGTGTTGTGACCCCCCCATGGTTCAAGTGACAGTGGGTGACCTTGTCTGCC
AAGATCTTTCTTTTGAATGTTTTGAACCCAACTACTTGTCATAGATGTTTGACTGTGTCAAAAGCTGTGAG
CAGCAAAATATAATCCATATGACCTTTTAAAAAAAAAAAAAAAAAACTCGAGGGGGGGCGCCGGTACCCAA
TTCGCCACTATAGNN
Table1 3462
ACATTAGAATAACCTTTTCAAAAATATGCAATTTCTGTCCTTGAAGCCTAGGGAGTGGGATGCAG
CCACATTAAGACTCATGATTAAGCACCTTATTGTGTTAATCATGATATAAAGAGCCTTGTATAACACAAAA
GCCGAGATCGCGCCACTGCACTTTAGCCTGGGTGACAGAGTGGGATTCTGTCCGCTCCCGCCAAAAAAAAA
GGAGAAGGTCTACCCTGCAAGAGGTGGAGAGAGAGCTAGTGGCTTGGATCTTTGGGGTGCACATGGGAATT
GTGGGCCCACAGTGTCTGGTGAAAGAAGAGGAGGCAGGAGGCCTTTTTCTTCTCATATGGGGGTTGAGTGG
TGGGGGTGCTACN
Table1 3463
NNAAGGAAAAAGAGCAACAGATCCAGGAGCATTCACCTGCCCTGTCTCCAAACAGCCTTGTGCCT
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CACGGGGATACAACTCTGGAGTCCTCTGAGAGAGCCACCAAGGAGGAGCAGGGGAGCGACGGCCGGGGCAG
AAGTTGAGACCACCCAGCAGAGGAGCTAGGCCAGTCCATCTGCATTTGTCACCCAAGAACTCTTACCATGA
AGACCCTCCTACTGTTGGCAGTGATCATGATCTTTGGCCTACTGCAGGCCCATGGGAATTTGGTGAATTTC
CACAGAATGATCAAGTTGACGACAGGAAAGGAAGCCGCACTCAGTTATGGCTTCTATGGCTGCCACTGTGG
CGTGGGTGGCAGAGGATCCCCCAAGGATGCAACGGATCGCTGCTGTGTCACTCATGACTGTTGCTACAAAC
GTCTGGAGAAACGTGGATGTGGCACCAAATTTCTGAGCTACAAGTTTAGCAACTCGGGGAGCAGAATCACC
TGTGCAAAACAGGACTCCTGCAGAAGTCAACTGTGTGAGTGTGATAAGGCTGCTGCCACCTGTTTTGCTAG
AAACAAGACGACCTACAATAAAAAGTACCAGTACTATTCCAATAAACACTGCAGAGGGAGCACCCCTCGTT
GCTGAGTCCCCTCTTCCCTGGAAACCTTCCACCCAGTGCTGAATTTCCCTCTCTCATACCCTCCCTCCCTA
CCCTAACCAAGTTCCTTGGCCATGCAGAAAGCATCCCTCACCCATCCTAGAGGCCAGGCAGGAGCCCTTCT
ATACCCACCCAGAATGAGACATCCAGCAGATTTCCAGCCTTCTACTGCTCTCCTCCACCTCAACTCCGTGC
TTAACCAAAGAAGCTGTACTCCGGGGGGTCTCTTCTGAATAAAGCAATTAGCAAATCATGTAAGAATAAAA
AACACAAGAAAGAAAAAAAGTTTTGGCCTAAATGAGTCGTATTACAGTTGACGCGGCCGGCGAATTTAGTA
GATGGTGTAATTCGACCCGAGAAATTCCGGAACCGGAACTCTGAGGGGTGACAAGTTTCCCCAAGAGCGGC
GGATTAAGGCTTGGGCGGACAAANNNNNNN
Table1 3465
agctcactataggagtcgacccacGCGTCCGCACCACCTGGCCGTGGACACCTGTGTCAGCATGT
GGGACCTGGTTCTCTCCATCGCCTTGTCTGTGGGGTGCACTGGTGCCGTGCCCCTCATCCAGTCTCGGATT
GTGGGAGGCTGGGAGTGTGAGAAGCATTCCCAACCCTGGCAGGTGGCTGTGTACAGTCATGGATGGGCACA
CTGTGGGGGTGTCCTGGTGCACCCCCAGTGGGTGCTCACAGCTGCCCATTGCCTAAAGAAGAATAGCCAGG
TCTGGCTGGGTCGGCACAACCTGTTTGAGCCTGAAGACACAGGCCAGAGGGTCCCTGTCAGCCACAGCTTC
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CCTCATGCTGCTTCGCCTGTCAGAGCCTGCCAAGATCACAGATGTTGTGAAGGTCCTGGGCCTGCCCACCC
AGGAGCCAGCACTGGGGACCACCTGCTACGCCTCAGGCTGGGGCAGCATCGAACCAGAGGAGTTCTTGCGC
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AAGCCTGCTGTGGgACTTTTTTTTTTTTTTTTTTGTaAtgacctaaaagctttaacagttcttccatctga
cTCAGGTTTCcttgtctggcggtcttcAGTATCAACATCCACACTTCCATTGATTATCTGTGTGcatTTTG
GACAAAGCTTCCAACCAGGTACCTCGGcgcgccga
Table1 3466
NNNNNNNNNNNNNNNNNNCTCCCCCCCCTTCTATGGGGGGGGGTTTTTTCCCCCCGGGGGGGGGGG
CNNNNTNNAAAAAAAGGGCCAAATGAGGGGGCCCCAAACGGGGGCGGGCAAAGGGGGTATTTTTTGTTCCC
CCTTGGTGGGTTTTTTTTTTTTTTTTTTTTTTTCTTTACAAAAGATTATTTTATTAATTCAATTTTTGCATA
AAAGACTGTTAAAAGAACTTGCTAACTTGAAAACAATTTTGAGTATTTATGATCTTTCCAACTTGAAAACA
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TCTGGTCATGATATGAGAGGCCTGGACAGTGACCTCACGAACAAAAAGAAATGATCCTCTTCAGTCCAAAG
TGTGTTTGTGAGACTAATGACTCCATGCCCTCACATGGCCACTCCTCTTACAGCAGACAGCTTCACTCCGC
TCCAGCCCCGGTACTGCGGTCTGTGGTAATTTACATGGGAATGGGATGAGATCTAGTAGTTTTAGATCCAA
CGCAATTCTGGGAAGGGTTGGTAATAAACCAAAACTCAATCTATGCAGTATTTAAAAAATAATTGAGAGTT
GTGACAACTTCGATTCTTTTCAGGAGGTGCTGTCTTAAGATAGAAGAAAGGGATCAAGCTCTTATCTTAGA
AAGCACAGACACGTTTAGCTCAGGGTAGTGCAATTCAATGCTAAGTGGCTGCTCCATGAAATCTAAGGGCC
GGGTAAGGGGAAGAGGCCCAGGGACTTCTTCCTTGTCTGACACTCTCGGGACTAGCATTCTGGCAGGTCTT
ACAAGTTATAATACAAAACCATCAGATAAATTCTAATCACGACTGTGTAGTTCCTCCCCAAAATAATTTTC
CTCTTAGAAGTAAAATCAGGAAAGGGGCTGAGTTCTGAAAAGAAACATCGGGGCTGTGGCCCAGGCCCTCT
GAGTGTGGACGCTGTCCCCCGTGTCTCCATGTTTACTGCCTTATTGTCTCCTTTGTATGAAAGTATAATTT

Table 6
568/3331

ACGTAATTCGTCCTTGGAGAATCACAGTGGTGTTCAAGAACCTTTTGAGGCCATCCAAGTTTTTGTCCTTC
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TGCGCTGAACGTTTTTGATCCACCACTATCTTCATATTCCTGGATGAGCTCCTGGAAGCGGTTATAATCGA
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GGGCACGTGGGCCATGGTAAGACTGCTTGCTGAACTTTCTCCGCAGTAGGTAACGCCCTTCACTTCGATGA
AGTCAGGATTCCCCAGGGACACGAGCTGCGCGTAGGCCTGGAGCTCGTCCACGTTCCATGCTTTCACGAGC
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GCCATGTTGGTGAGATTCACATTTGCCTTTCTTGCAGTGGCCGCCACAGGACTTCTTTCTCTCCCCTTTCT
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CTTTTAACCACGTCGCAGTCGCCCTCCCCTCGACTCATCACACGATGCGCGCCAAGCATCCAGAGCCACTT
GTCAACATTTTTGCCAACCTTGTTGAAGTGGCTAGCATAGGCAGAATTTCCCAGGCCAAATACCGCATATC
TCATACCCTTCAGGTAAGTTTTGCCAAATCGAAAATCAATGGATGCTTCCTCTAACCATTTGCAGAACCAC
TCTGCACTTTCAGTTGGTAGGCCGTCAGTGTATGTCGCAACCAGGAAGACACAGACATTTTTACTAGTCAC
CTCTTCTATCAGATGATCATCTGGATCATATTCTTTTAGATTAATAATGGCCACAGGCAGATCCAGGGATG
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CCAGACACAAAGATGTCTTTCTCTTGAAGGGAGACATAACCATTTGTCATCAAATCCTGAGCTGCTTTTGG
AACAGATTTTTCCTGTAAGTTCTTGCCCTGCGTCTTGATGACAATCTGGACACAAATCCAAAGGCTAATGC
TAACAGCAAAGCCCAAATAAATGTAAAACCTGTTTATCCATAATGATATTAAAGGTGAGAAGAGGTCCCAT
GTATCCGCAGAAGGATCCATCCTCCTCCAGAGCCGACAGGAGACTAGGATCTCGGACCTGGATAGCCCGATG
ATTCGCACTGGTACCGCGAGACGCACCGAGCTACCTCGCCGCGTTAGCGGCGTACCGAGTGCCTGCAGACC
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Table1 3467

NNNNNCCCGGCCGGGGGGGCAAGATGGCGGCGGCAGTAGGGGTTCGTGGCCGGTACGAGCTGCCG
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CAACCTGATTGTACTAAAATTCTAGAACTTCCATATAGTATACATGCTTTTCAGCACTTGAGAGGTGTACA
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TATCATTCATGAGACTCAGATGGCAAAAGAGGCACAATTAGGAAATCATCAGATATGCCGACTGGTCAACC
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AGAGTCCCTGTTGGTGGGGAATTGCCAACGTATTTTCTGCCTCCGGAAAACAAAGGACTCAGGATCCACGA
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AAAGCCACACTCTGTCCTACTTAGTCAAAGAATTAGAGGTTCGCATGGATCTGAAAGCCAAAATGCCAGAT
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CTTATTTCATGCTATTAATAAGCCAAATGCTCCTATCTGGCTCATACTCAATGAAGCTGGACTATACTGGA
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Table 6
569/3331

CAAGATGTTCCTCTTGTCAACTTGGCCAACCTTTTGATTCATTACGGCCTTCATCTTGATGCCACTAAGCT
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GGCCTTTGGAAGGCTTTGGGGGTGCACTAGAGATGAAAGGGCGGCGTCTAGACTTACAAGGAATACGGGTG
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AGCAACAGAATGGATTACATTCCAGGTCAAACGTGTAAAGAAACCCAAAGGAGATCATAAGAAAACTCCTG
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Table1 3469

TCGACCCACGCGTCCGGCACCGGGCGCCGCCAAGGTAGCTGTAACTGCCACCGCGATGCCGAAGG
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Table 6
570/3331

ACCATCCAGATCTGCAAACTCTCTGGTGGTCAGAAGGCGCGAGTTGTGTTTGCTGAGCTGGCCTGTCGGGA
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Table1 3470
NNNNCGCGGCCGCGTCGACNGGCTGNGAGAAGACGACAGAAGGGGGGTGACAGAGCGAGATTCTA
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Table 6
571/3331

AAAAAGATTTTTTTCTTCTCTTAATCGGAATCGTGATGGTGTTGGATTATTTCAATGGTGGGGTTAATATA
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GGCCAAACATATTTTTTCTTTTGTCCCTTTTTTTCTTTCCTTTCTTTTACTTCCTTTATTTCTTTATTCC
TTCCTTTTCCTTTTTTTCTTTTTTTTTTTCTTTTTTTTTTTTTTTGGTAGTTGTTGTTACCCACGCCATT
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Table1 3471
TCCGGGTCAGGTGGTTGGGTGACGCCCCGGGAAAGCGCTCCAGGCCGAGGGCGGGCGGCGCCGCC
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Table 6
572/3331

TGAGGAAAGGGGCAAGTCCATTATGCAACTTCTCTCCAAACCCTTCATATTCTGGATATGATACTTAAAGA
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Table1 3472
NNNNNCCGAGAGGGCGGGCCAGGGCCGCACTCCGGAGACTCGCGGTTGCTACGCGCACCATGGCT
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CCCTACTAAAAATACAAAGTTAGCCAGGCATGGTGGTGCATGCCTGTAATCCCAGCTGCTCAGGAGCCTGG
CAACAAGAGCAAAACTCCAGCTCAAAAAAAAAAAGAAAGAAAAGAAAGCTGGAGCTGGTGGCTTAGGCCAT
CACCCTTCCCTTGGCTGGAACTACTGGACAGACCCTTTTGAGATGTGCCTGTGGTGCTGTGGAGATGTGTG
TAGTGGTCTTAGCTCTTTGTTGAGCTTGTGTGTGTGTTGTGTAGTCTTAGCTGTATGCTGAAATTGGGCGT
GTGTTGGAGGGCTTCTTAGCTCTTTGGTGAGATTGTATTTCTATGTGTTTGTATCAGCTGAATGTTGCTGG
AAATAAAACCTTGGTTTGTCAAGGCTCTTTTTTGTGGGAAGTAAGTAGGGGAAAAGGTCTTTGAGGGTTCC
TAGGCTCCTTTGTACAACAGGAAAATGCCTCAAAGCCTTGCTTCCCAGCAACCTGGGGCTGGTTCCCAGTG
CCTGGTCCTGCCCCTTCCTGGTTCTTATCTCAAGGCAGAGCTTCTGAATTTCAGGCCTTCATTCCAGAGCC
CTCTTGTGGCCAGGCCTTCCTTTGCTGGAGGAAGGTACACAGGGTGAAGCTGATGCTGTACTTGGGGGATC
TCCTTGGCCTGTTCCACCAAGTGAGAGAAGGTACTTACTCTTGTACCTCCTGTTCAGCCAGGTGCATTAAC
AGACCTCCCTACAGCTGTAGGAACTACTGTCCCAGAGCTGAGGCAAGGGGATTTCTCAGGTCATTTGGAGA
ACAAGTGCTTTAGTAGTAGTTTAAAGTAGTAACTGCTACTGTATTTAGTGGGGTGGAATTCAGAAGAAATT
TGAAGACCAGATCATGGGTGGTCTGCATGTGAATGAACAGGAATGAGCCGGACAGCCTGGCTGTCATTGCT
TTCTTCCTCCCCATTTGGACCCTTCTCTGCCCTTACATTTTTGTTTCTCCATCTACCACCATCCACCAGTC
TATTTATTAACTTAGCAAGAGGACAAGTAAAGGGCCCTCTTGGCTTGATTTTGCTTCTTTCTTTCTGTGGA
GGATATACTAAGTGCGACTTTGCCCTATCCTATTTGGAAATCCCTAACAGAATTGAGTTTTCTATTAAGGA
TCCAAAAAGAAAAACAAAATGCTAATGAAGCCATCAGTCAAGGGTCACATGCCAATAAACAATAAATTTTC
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AAAAAAAAAAAAAAAGCACGGCACTAAAGAAGGAGTCTCCGATCGGCACACAGGTTGAAGTGCAGGCGATG
CTCTTGGCACCTGGAACCTCCGCTCCGGGTCAGCAGCCCTGGCACGATTCTAGTCGGN
Table1 3473
CTATAGGGAGTCGACCCACGCGTCCGCGCTAGGCGCCTGGTTCTGCGCGTACTGGCTGTACGGAG
CAGGAGCAAGAGGTCGCCGCCAGCCTCCGCCGCCGAGCCTCGTTCGTGTCCCCGCCCCTCGCTCCTGCAGC
TACTGCTCAGAAACGCTGGGGCGCCCACCCTGGCAGACTAACGAAGCAGCTCCCTTCCCACCCCAACTGCA
GGTCTAATTTTGGACGCTTTGCCTGCCATTTCTTCCAGGTTGAGGGAGCCGCAGAGGCGGAGGCTCGCGTA
TTCCTGCAGTCAGCACCCACGTCGCCCCCGGACGCTCGGTGCTCAGGCCCTTCGCGAGCGGGGCTCTCCGT

Table 6
573/3331

CTGCGGTCCCTTGTGAAGGCTCTGGGCGGCTGCAGAGGCCGGCCGTCCGGTTTGGCTCACCTCTCCCAGGA
AACTTCACACTGGAGAGCCAAAAGGAGTGGAAGAGCCTGTCTTGGAGATTTTCCTGGGGAAATCCTGAGGT
CATTCATTATGAAGTGTACCGCGCGCGGGAGTGGCTCAGAGTAACCACAGTGCTGTTCATGGCTAGAGCAATT
CCAGCCATGGTGGTTCCCAATGCCACTTTATTGGAGAAACTTTTGGAAAAATACATGGATGAGGATGGTGA
GTGGTGGATAGCCAAACAACGAGGGAAAAGGGCCATCACAGACAATGACATGCAGAGTATTTTGGACCTTC
ATAATAAATTACGAAGTCAGGTGTATCCAACAGCCTCTAATATGGAGTATATGACATGGGATGTAGAGCTG
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GTATGTACACATTATACACAGGTCGTGTGGGCAACTAGTAACAGAATCGGTTGTGCCATTAATTTGTGTCA
TAACATGAACATCTGGGGGCAGATATGGCCCAAAGCTGTCTACCTGGTGTGCAATTACTCCCCAAAGGGAA
ACTGGTGGGGCCATGCCCCTTACAAACATGGGCGGCCCTGTTCTGCTTGCCCACCTAGTTTTGGAGGGGGC
TGTAGAGAAAATCTGTGCTACAAAGAAGGGTCAGACAGGTATTATCCCCCTCGAGAAGAGGAAACAAATGA
AATAGAACGACAGCAGTCACAAGTCCATGACACCCATGTCCGGACAAGATCAGATGATAGTAGCAGAAATG
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ACAACCTGCAATAGGTACGAATGTCCTGCTGGCTGTTTGGATAGTAAAGCTAAAGTTATTGGCAGTGTACA
TTATGAAATGCAATCCAGCATCTGTAGAGCTGCAATTCATTATGGTATAATAGACAATGATGGTGGCTGGG
TAGATATCACTAGACAAGGAAGAAAGCATTATTTCATCAAGTCCAATAGAAATGGTATTCAAACAATTGGC
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GGAACAGCTCTGTCCATTTCATAAGCCTGCTTCACATTGCCCAAGAGTATACTGTCCTCGTAACTGTATGC
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GCAGTACATGCTGGAGTGGTTCGAAATCACGGTGGTTATGTTGATGTAATGCCTGTGGACAAAAGAAAGAC
CTACATTGCTTCTTTTCAGAATGGAATCTTCTCAGAAAGTTTACAGAATCCTCCAGGAGGAAAGGCATTCA
GAGTGTTTGCTGTTGTGTGAAACTGAATACTTGGAAGAGGACCATAAAGACTATTCCAAATGCAATATTTC
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TACATAGTCATGATTGTTCTACGTTTCATATATTATATGGTGCTTTGTATATGCCACTAATAAAATGAATC
TAAACATTGAATGTGAATGGCCCTCAGAAAATCATCTAGTGCATTTAAAAATAATCGACTCTAAAACTGAA
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TTAAACGGAAAGTTTTGGAATAGATAAAAAAAAATGGATGGCGCTTTTAAAATCCTCATCCAGAACGGAAG
TGCCGGGCGCCAAAGAACAACGCGGGACACACCGCGTCAGGGCCNNNN

Table1 3476

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table1 3477

ACGCGGGGGTTGGAGAAAACTAAACAATTTGTTATAAAACATCCTTAAAAGCATCAGAAAGTTAA
TACAGCAATGAAGAATTACAGGACCAAATTAAGAATGCAACCAGGTTGCCAAGAACTGAGTGATGTGTCCA
CATCCCGGGAGAGAGAAGCCACCAGAAGCTGGAAGAGCTAAATCAGACTGCTCCCTAGAGCTTCAGAAGGA
GCCAGAACTGATGACTCCAAGATCTTAGCCCAGTGAAACTGATCTGGACTTCTGAACTATGAGAGATTCCA
TTCCTGTTGTTTGAAGCTACCACATTATTGAGAACTTGTTACAGTAGCCCGAGGACACTAACACAAATGGG
GCTCCGGGAAAATCCAGACTAAAGGTGTTGTGTTGGTTTGCAATCTCCTTGCTTAACTTTCTGATACTAGA
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Table1 3480

aaAGTGCTGGGATTATAGGAGTGAGCCACCACACCCGGACCCACAGTCATATATATTACTAAAGC
CAACCGACAAAAAGAAATATTGTAACAGtaaGACAAGATTGACAAGagcaaaCAttCAcgcaatcacCgtt
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TCCCAACTCACCCTTGAATCACCAACGGCAAATACTTTAGGTTTTCTTTCTTCCCAAACTGTTTTGGCCTC
GCTGCTAGGGCTGTCGCCGAGCTTACACGGACTCCAGGTGATGAGTTTTTCTTGAGTCACTGCAAAGGCAG
TTTCACTAGGCTTCACTTTTCTTTCTCGCGGTTTTCGGCCAGGTCTCTCCTGAGACACTCCTATCTCCCGG

Table 6
574/3331

TCCCGACACCAGCACCAAGCGCTCAGGTAAACGTCCCAAGTAAGACAAAGGCAATCTACATCAGGGCCTGC
TAGCGGCGTGAAGGAGGGAGGGACTCAGAGCATCAAAGTCAGTCCACAACGGGCGGGGTTCAGTTAAATTG
TGTCTCCAGCGATCTATTAGACCCGTCCTCCCCCGCGT
Table1 3481
ACACTGGAGGCTGGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGG
TGACAGAGACTGCAGCTTGACTGTAGTGGTGGTTACCAGGAGCTCTGCCACTGCATGTCCACTAGTGACGG
GTTCGCTCCACCACCCCAGCTGGGTAGCCGCTGCTCTCACATAAGGGGTCCAATTAAAATTGCCAGGAATA
AATTCCCCCGGACTTTGACTTCTCAAGAGCTAAGAAGGTTTGCTGAGTATTCTGGCATGATGTTTGGTGAT
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TCACATTCATCATTCATCAGTCTGGAAGTGTGCAGCCAATCATATTATCTATTACATGTTGTTCTGGCTTT
TTTTTTTTTCCAATGTCCAGCCTAAACTATAAAGTACCTCGGCCGCCACCGCGgggAGCTCCAAttgccCt
atagtag
Table1 3483
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3485
CaGGAGAtCGAGAccaTCCTGgccAACATGGTGAAACTCTGTCTCTACTAAAAAATACAGAAAAT
TAGCCAGTCATGGTGGCACGTTCCTCTAGTCCCAGCTACTCGGGAGGCTGAGGCAGAAGAATTACTTCAAC
ATGGGATGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCCTGGTGACAGAGCGAGACCCC
ATCTCAAAAAAAAAAAAAAAAAGTTGTATGTGACAGCTAACCATAATAAAAAAAAAGAAAGAAAAAAGAGAG
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AATTATGTTTATCAAGCCAATAAAGATAAGGAGAAGTGTAGTGTTAAGGGTCACTTGCCTCCCACAGCCTG
CAAGTCCTTGTCACAGCTGATCTTGAACATAGCCAGCACCCGTGTTCTGATCTGTTTGGTTTTGGCACCAT
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AGGCTGTTTCCAAAGCGGTGTACCTGCCCGGACCTGcccGg
Table1 3486
ACAAAGATTTCCTGTGGTAAACCATCTAGTATAAACACTCAAATAATCACTTCAATCCTTAGACT
ATCTAATTCAAGTGCCACTAAAGTATGCCTAAAACTCTCATAGGAAACTGATGACTCTACCCTAAATGTCC
TGCATGTCTCCAGTTTATCTGATGGAGCTGAACTAATCTGAGTATATTATGAACACAAGCAAAAATTGTGC
CATCCTTCATCAACAAAGATACAGAAACCATAAATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAG
CTGAAGTTAACCCTGTCTGAGATGCAGCCAGCATTACCACAGCTACAACAACATGT
Table1 3487
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GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
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Table 6
575/3331

TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3489
NCTAAGGTGGGTATCGTCGTGGGACTTGGAAATTGTTGTTCCATGAAATCCTGCGCAGGGTCGCT
CACTACCGCCGCTGTTGCCTTCGGTGATGAGGCAAAGAAAATGGCGGAAGGAAAAGCGAGCCGCGAGAGTG
AAGAGGAGTCTGTTAGCCTGACAGTCGAGGAAAGGGAGGCGCTTGGTGGCATGGACAGGTACGCACCTCCA
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TTCTCAGACCATTAACAAGCTCTGTGTCTCTCTCTCTACAGCCGTCTCTTCGGGTTCGTGAGGCTTCATGA
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GGTCGGAAAAGTGTTTCTTGCCTTTGCTGTCCCCGT
Table1 3490
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
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GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3491
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
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Table1 3492
tgatctcattctcatgggcacgcagctcctgaagagttttgggcatttttttttggcaattccttc
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AAATCAGAACACTGGACCACTCGAAGATGGCATTGACAGCGGAAGGGGCACACTGGGCCTAGGGAGGGCTC
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TCTTCCCCCTGACACAACTCTGCTAGACCTGCAAAACAACAAAATAACCGAAATCAAAGATGGAGACTTTA
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TGAACCAGATGATTGTCATAGAACTGGGCACCAATCCGCTGAAGAGCTCAGGAATTGAAAATGGGGCTTTC
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Table 6
576/3331

TGAATAATTTGGCTAAGTTGGGATTGAGTTTCAACAGCATCTCTGCTGTTGACAATGGCTCTCTGGCCAAC
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AAAAaataaa
Table1 3493
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table1 3494
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3495
NNNGCCATGGTTGCTTCCATCTGTGGCACCTCCATTTCAACAGATGCTTCACTGTTGTCTTCTTC
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GGGGTCAGATTTACCCTCACACCTCATCCTCCTGAGTAGCTGGGACTACAGGTGCACGCCACCATGCTGGG
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CAAGTGATCCATCTGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCACCCGCCACCTGTTCTGT
AGTTTAATTATGTTTCTCCCCCTCAGGCATTTCTTGGTNGTATAGAGCCCACAGAATANNATCGAGTCCTT
GTCAAGAAGCATTCATCTTGCGCCTCTTTCGCCAGAAAAACAAACGTGGTTTTATTAAAGCTTTCACAGAC
CNCCGCGN
Table1 3497
ACACTGGAGGCTGGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGG
TGACAGAGACTGCAGCTTGACTGTAGTGGTGGTTACCAGGAGCTCTGCCACTGCATGTCCACTAGTGACGG
GTTCGCTCCACCACCCCAGCTGGGTAGCCGCTGCTCTCACATAAGGGGTCCAATTAAAATTGCCAGGAATA
AATTCCCCCGGACTTTGACTTCTCAAGAGCTAAGAAGGTTTGCTGAGTATTCTGGCATGATGTTTGGTGAT
CAAACAACTGCTGGCCAAAAATGATGAGTATTTCCCCCTCTTGCTGAAGATGTGCTCCATACAATAGTCCA
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Table 6
577/3331

TTTTTTTTTCCAATGTCCAGCCTAAACTATAAAGTACCTCGGCCGCCACCGCGgggAGCTCCAAttgccCt
atagtag
Table1 3498
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table1 3499
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
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Table1 3500
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
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Table1 3501
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Table 6
578/3331

TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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Table1 3502
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table1 3503
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
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Table1 3504
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Table1 3505
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Table 6

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AGAAGAGAGGAAAGATCCCAACGATCCCGTCAACACGAAAATCCCAGGAATCAGAGAAATGCTGAGCCGAT
TATCAGGATTAGCAAATGTTGTTTTGCATGAATTATCAGGAGATGATGACACTGATCAGAATATGAGGGCT
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Table1 3506

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TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
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Table1 3507

TGGGAAGTGAGGTGTGGGAACCCGGCGGCGGTCTGATGAATTCAGTGGCAGTGAATTGAGACCGG
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TAATTGTCTGCCACGAGTGCACATTCTGAAAACAGGAGATTTTAGTTCCTAAAAATGGGAAGAACCTACAT
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CAAATGATTTTCAAAATGCCCTGCGTAGACTAATGTTTGCTGTGGAAAAGTCTATAAATAGAAAGAGATTG
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Table1 3508

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GGCCTGAAGTCCCAGCATTAATGGCAGCCCCTCATCTTCCAAGTTTTGTGCTCCCCTTTACCTAATGCTTC
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aAAAAAAAAAAAa

Table1 3509

NNNCGATTAATCGATTCCTAAAGATTTGGCTCGAGGCAAGATGGGGCCAGGGAGGATGAAGAAAG
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GTGGGGACCAGGGTGTCCCCTGCTGAGAAATGGAGAGCTCTTTTCCCCTGTACTTCTCTGGGGTTTGCCGT
GTGGAACCAAGTGCTTGGGGGAGGAGCTCCTGGCAGCACTCCAGCTGGAGAGTCAGAGGACAGCTAGGATT
GGTTCACCCTTGCTCTGAGTTGGCCCAAGCGAGCTATGCTGAACTCTTCTCCATCTCCAAGCAGACAACCT
TTGTCTTTACATGCAAGAGGGATCCAATTATGACAGGCTGACCCAGCTGGTTTCATGTTTGGGGTTTATCT
ACTGAGTAAGGCTGACCTTACCTGAGTTTCTGTATGTGTATTTGCAAGACAGTTAATACTAATCCATCATC
CCTCACAGAGATGTAGAGGATGAGATGTAGTAACTTATAGCAGTGTCATTTGGAAAAGTTGAATTTGCCCT
ACAAGGCATGTTCTCCATTCAAGGGTCTTGTGTAAACGTTTGCAGACACAGGTGCAGCTTTGGAGAACTCA
CCTCTGGCTCTTGTGCTTTTATGTTGGGACAGCTGCCTAAATTAGGAGCTCTAGACCTGTTATTGGTTCCC
AACTGTTGGCCAGAATGAATTCTTCGAAAAATATAGGTGGTTTCCAGGGAATTTGAATGATTGTATTTTGT
GTCCATGGAACGTTTATAGACATGGAGGCAGGCAATAAATTCCTCCAATAAAAAAAAATAAAGGAGAAAAA
AAAAAAAAACTCGAGGGGGGGCCCGGTACCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCG
GCGTTTTACAACGTCGGGACTGGN

Table1 3510

ACGCGGGATACAGGAAATACGGTAAGAGCGAAACAGGTGGAAGCCAGCTCTGTGCCTGGAGGGGA
CTCGCCGCCATCTCAGGTCTCTTGGCTTTGCCAGGGCCCACCGGAGAAAACTGACGACCCGTTTCTGTAAT
CCTTATGGGAGACCAACCTTGTGCCTCCGGGAGATCCACTCTCCCACCTGGAAACGCACGGGAAGCCAAGC
CTCCAAAAAAGCGCTGCCTCCTCGCTCCGCGTTGGGATTATCCGGAAGGAACTCCCAACGGAGGTAGTACC
ACTCTACCCTCCGCACCTCCTCCTGCATCAGCCGGCCTGAAGTCGCACCCTCCTCCTCCGGAGAAGTAGAG
AAATAAATTTCTCCCACCCTAAACCAGTCTTTGAGTGATTGCAGTATGACTCCATTTCCCTGGTGCATTCA
TATAATAGTTCACCTGGTGAAAACAATGAAGATTATTTACAATGCTACCCTGCTTTTTCTGGTGTCCTGAA
CCTGGAAGTTGTGCTTTTTAAGTCTTATGATGTAATCAGCACGATTTCACTTCCTGAATTTCGATGAATTC
TAAGACATGGGCAAGATCGGGTTGTAAGACCTCTGAGATTTAAGGCCATGCCCTGGATCATGGTGAACTTA
CCAAAGCAAACAATGCCTGTGAGATGGTCCTGCAGCAGCCAACCAGTGAACTCTTTTGGTGACATCCTGTT
CTTGTTGTATAACTTTATATTCCTATAAATCCATTAAGGCCCCAATAAAGTTTGTCTCTAAAAAAAAAAAT
AAATGTTTGGGGCTCGCCGGAGAATTTCAAACACTCCTGGGGCGCGCACCAGGAAGAAAATTCAGTTCCCC
AACGGTCTCAAGGGGTCCCCAAAGCGGGCGGTGCACACCGGTTGGCTCGCTAGCCCTCCTGCCCGCCAGGC
ACGGGCTCGNNNNNNNNNNNNN

Table 6
581/3331

Table1 3513
ACGCGGGATTTCAGGTCAGCCACAGCTTCCCACACCCGCTCTACGATATGAGCCTCCTGAAGAAT
CGATTCCTCAGGCCAGGTGATGACTCCGGCCACGACCTCATGCTGCTCCGCCTGTCAGAGCCTGCCGAGCT
CACGGATGCTGTGAAGGTCATGGACCTGCCCACCCAGGAGCCAGCACTGGGGACCACCTGCTACGCCTCAG
GCTGGGGCAGCATTGAACCAGAGGAGTTCTTGACCCCAAAGAAACTTCAGTGTGTGGACCTCCATGTTATT
TCCAATGACGTGTGTGCGCAAGTTCACCCTCAGAAGGTGACCAAGTTCATGCTGTGTGCTGGACGCTGGAC
AGGGGGCAAAAGCACCTGCTCGGGTGATTCTGGGGGCCCACTTGTCTGTAATGGTGTGCTTCAAGGTATCA
CGTCATGGGGCAGTGAACCATGTGCCCTGCCCGAAAGGCCTTCCCTGTACCATTAACCAAATAGCGTAACT
ATTTTATGTCCACATTTCACTTCTGTATTTACAAACATATCagtAAAGAGTTAACAATGAGATGCGATCAA
ACATCCATATTATCTGTTTTGTAGACAGCAATGTagaTGATTTTGtaaTCACCTTTCAtcGGagtgACCTT
atataaAAAATAAGTCaa
Table1 3514
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3515
AGGTACGCGGGGAGCTGTCCGGGCTGCTTTCGCCTCCGCCTGTGGATGCTGCGCCTCTCCGAACG
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GAAGATGTAGGCCGGGTGATCTTTGGTCTCTTCGGAAAGACTGTTCCAAAAACAGTGGATAATTTTGTGGC
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GTGAGCGCTTCCCCGATGAGAACTTCAAACTGAAGCACTACGGggcCTGGCTGGGTGAGCATGGCCAACGC
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GATAAACCCctgaagGATGTGATCATCGCAgacTGCGGCAAGATcgaggtggagAAGCCcTTTgcCATCG
CCAaggagTAGGGCcagggcaTCtttctttGAgtgaccgtctgtgcaggcctgttagtccgcccaaggcct
ttaagctgcactggccccgggtgctggcatctggtggaagcggaacccctccccctcccatttcccaggg
ccatggactcacttttgtaaccaactccctcccaccctgacccaaaaaaaaaaaatggtgggg
Table1 3517
NNNNNNNNNNNNCGAGAGTCGACGAGTATCGAATAAGGCTTGAGTATCAGAATTACCTGCAGGCC
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GTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAACACCCAGACCTCCAGGAGAGACCAGGCCCAGGA
TGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTTTACTACTGAACCAATTTTCCAGAGCAGTCGCG
GCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGCGAATTAGTTCGCGCGCAGATTGCCATTTGCGG
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CCGGAGCTGAAGGCAGCCCTATCTGAGAGGCAACCATCATTACCAGAGCTACAGCAGTATGTACCTGCATT
AAAGGATTCCAATCTTAGCTTGAAGAATTTAAGAAACTTATTTCGGAATTAGGCAAAGTGAAAGCCGCAGA
CAGGCAAATCCTTTCAGAAATTAAAATACTTAGGCTTGGGATTACTCAATTTCTCAAAAAAAAGAGACGAA
CCCTACGTGGACTGTTTGAGAATGTGCCTAATGGTGTACAAAACGTCTCTGTAAATATGTGAGATGAAGTA
TGTGCATTCTGTTAATTTAAGACCTAGTCTGTGAATTTACTGATGCTTGTGGTCCTATTTTTAATTTGAAT
CTTTAGGTGATTTCTGGGGGGGAAATTTGTAGGGTGGAAGAATAGGAGGTGGGTAAGAAGGGGGGGGGAA
AATGGAAAAAAAAATGGGGGGATATGGGAATTATCTTTTGGGAGGNNNNNNNNNNNNN
Table1 3520
GAGTCGACCCACGCGTCCGGCGGCTCCAAGATGGCGTCCATCATGGAAGGGCCGCTGAGCAAATG
GACTAACGTGATGAAGGGCTGGCAGTACCGTTGGTTCGTGCTGGACTACAATGCAGGACTGCTCTCCTACT
ACACGTCCAAGGACAAAATGATGAGAGGCTCTCGCAGAGGATGTGTTAGACTCAGAGGAGCTGTGATTGGT
ATAGACGATGAGGACGACAGCACCTTCACAATAACTGTTGATCAGAAAACCTTCCATTTCCAGGCCCGTGA
TGCTGATGAGCGAGAGAAGTGGATCCATGCCTTAGAAGAAACAATTCTTCGACATACTCTCCAGCTTCAAG
GTTTGGATTCAGGATTTGTTCCTAGTGTCCAAGATTTTGATAAGAAACTTACAGAAGCTGATGCTTACCTA
CAAATCTTGATTGAACAATTAAAGCTTTTTGATGACAAGCTTCAAAACTGCAAAGAAGATGAACAGAGAAA

Table 6
582/3331

GAAAATTGAAACTCTCAAAGAGACAACAAATAGCATGGTAGAATCAATTAAACACTGCATTGTGTTGCTGC
AGATTGCCAAAGACCAGAGTAATGCGGAGAAGCACGCAGATGGAATGATAAGTCCTATTAATCCCGTAGAA
GCAATATATCAACCTAGTTCTTTGGAACCTGTGATCAGCTTTTTTTTTATCAACAGCAACAACCAAGACCC
AGGGTCCTGGCCCTTCTTTTCCTCTCAGGAAACAGCTATGACC
Table1 3521
NNNNNNCATCATTGCTGACCGGCCAGGGTACTGGCCAGAGCATACGCCTTCAGAATCCCAGCCTT
CGTCGCCTTCTCCGACCCCATCACCATCCCCAGACCACACTTCCCACTCACGTACCACCTTTCTCCACCTC
TTTGGTGACTCCAAGTACTCACACAGTCATCACCCCTACCCATGCACAGATGGCCACTTCTGCCTCCATCC
ACTCAATGCCAACAGGCGCGATTCCTCCACCGACAACGCTCACGGCCACAGGGGTCCACCCACACAAGCCC
CACCAATGACGGGGACCACCATTCGGACCACCCCAAGCCCACAGCTCATTCAGCATAGCCCGGANNNNNNN
NNNNNNNNNNNNNNNNNGTCCAGAGATTTAAATGAAATCTTCGAAAGAATAAATTTGCTTTTCAGTCCACT
GTATTTTCAAAATTGATTATCACCAAGCTTGGATGAAAGCTGTGAACCACAAACCATTTGTTTATTTAATA
GAAAAAAGAATGTGTAGACCCGCGTACCTTCATAACTTCTTCAAGATACCGGGTTGAACTTCCATTTGCAT
ATGCAGTTTGN
Table1 3523
TTTCCAGGGAGTAAAAAGGCCTTTTGGGTGGCACATAAATCTACTGCGGTGCTGCCTGCTGTGGC
GCGGGACAGCTGTTGAATTGTTGTAATTGGCTGACTCCCTGAAGTGGTGGTATTTTCTGTAGGGGTTGTTG
TCCTTGAAAACCCTGAGGAACAAACAGTTTAACTGGGAATGCCCCAGTTTGTTGGGGGGCCTGAGGCTGGC
CCCTCTTCCTGTTTCCAGACAATGGTTGCCCATCTTTATCAAATTTAGAATGACATTGATTGGCCCAATGT
TTTGCTTTTCCACATTTTGGACACAGGCCAGATGGCTTTTTATTTTTTGCTGTTAATAGCTTGATTTATTA
TATTCTGTTTATTTAAGCCTGGGCAACTCCTTTTCAGATGACCGATTTGACCACAATTATAACATTTTTTC
CCAAATGTTCTAACTTGTCCTCCTAGAGTGAGCCCCCTCATTGCTTGAGCCATTAGCATTGCCTTATGCAT
AGCTCCTCCAATCCCATCACAAGCCTTCACATATTCTGTAATTACATCAACTCCTGCTGGAACTTTTCCTT
TTAATGGCTTTATGGCCGACTGACATTCTGGATTTGCATTTTCATAGGCCATTAATTCTACAATAACTTTT
CGGGCATTGTCATCTGTAATAGACTTTTGAGCAGCATCTTGTAATCTTGCCACAAAGTCAGGATATGGCTC
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GGCAAATAGCCCTTACTTGTTCAATAGCCTCATTCTGCATCACTGATTGTTGGTTAATGGTGCTCCAATTT
GGACCTGTTCCTAACAATTGGTCTGCGTCTATATTAACAGTGGGCTTAGTAGCCTGATTTTTTCGTACCTG
TTCTTGTACTCCATCAATCCACCAGGTTTTAAACTGTAGATACTGAGAGGATGAAAGGGAAGATTTGGCCA
AAATTTCCCAGTCATAAGGAGTAAGTCTATTTCCATGAGCAATGGAATCTAATAATGTTCTTATATAAGGG
GAGTTGGATCCATATTGTTTAACTCCTTCCTTTATATCTTTTAACATTTTCATGGTGAAAGGTTCACATCT
AGTCTCAGCTCGGGCAGGCGCTCCTACTTGAGTCTCTTCCCCGGCCTGTACCAGTTGTAAAATTACCAGGA
ACCGCCATGCCTCAAGATCGCCCTGTTTTCTGGCTTCATCAATGACTGCATGCAGTGCACCACCCTGTCCA
CTACGTGATGCTGTAGGATTAAGTCTCACAGTGGGCGGCTGAGGATACAGCGCCGCGTCCTGTGTTGCTGG
TGAATTAGACGCCATCGCTGTGGGTTGCTGGTATGGTGCCGTGCTATTTGGCACAGGACACACCGCTTGAG
GTCTGTATTGAACCTCTGAAGGAGGCCGATACTGAAGCTCGGTTGGCAGCCGGTATTGATAAACTACCAGC
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TCTGTCCCTTTCTACTTGATTTTCTCTTGGGGTTTGTGCTTGTCTAACCTGCGTTTGAGGTTGTAATGTTA
CAGGCATCTGAACCACGGGAGGAGGAGTTGATGGCGATCGTGGTTTAGGCTCTGATGGCCCCAATGATTCT
GGACCTCCTTCCCCCAATTTTGATGATTCAGGGTATATTATCTCCTGTAATTGACTGTAGTCAACATTTTG
CGTTGACTGAGCCATTACAGACTCTGCTACATATTTACAATGTGAACTTTCCGTTCCTTGCTGGGATTCTG
TCCCTGCCTCTTCTTCACAATCTGTTACACAGCTTTTAGGGGCATCAGAAACTGAAACAATATCTTCTCCT
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TTCCCTATTTGCTTGTTTTAATTCTTTGCCAATTTTTTCCCAATCTTTTAGATCTAAAGTTCCCTGTTCTG
GAAACCATGGGCAGAATTGTTCTATTGTTTGAAATAGCGTAATTAGATTTTCTGTAGAAGCTCTAACTCCC
CCTCTTCTTAAAAGAATTTTAATAAAGCTGAGATAAGAGGCATATTTACTTTCAGTTTGCCCCATCGTTAC
CCTGGGTTCCTCTAAGCACACAAGCTTACCGCAAGGCTGACCGTGGACGTACTTGGGAATCTCTCGTCGGC
TGTCCTCAATGCTCACGTTCTTAGCGTACCTTCACCCTAGAGAAGGGCCCCCACGCCGGGCGCCAGATGAA
GGGGTGGCCTGCCCCTCCACACCTGTGGGTATTTCTAGTCGGGTGGGATGAGAGACGGAGAAAAGAAATAA
GACACAGAGACAAAGTATAGAGAAACATCAGTGGGTCCAGGGGACCAGCACTTAGCACACCAAGGACATGC
ACAGGCACCGGCCTATGAGTTCCCTCAGTTTTTATTGATTATGATTTTCATTATTTCAN
Table1 3524
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC

Table 6
583/3331

ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3525
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3526
NACCCACGCGTCCCAGGCCCGGAACCTTCCCTGGTCGTGCGCCCTATGTAAGGCCAGCCGCGGCA
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TGCCTGGTCGGCGGCGGGTGCCCCGCGCGCACGCGCAAAGCCCGCCGCGTTCCCCGACCCCAGGCCGCGCT
CTGTGGGCCTCTGAGGGCGGCATGCGGGACTACGACGAGGTGACCGCCTTCCTGGGCGAGTGGGGGCCCTT
CCAGCGCCTCATCTTCTTCCTGCTCAGCGCCAGCATCATCCCCAATGGCTTCACCGGCCTGTCCTCCGTGT
TCCTGATAGCGACCCCGGAGCACCGCTGCCGGGTGCCGGACGCCGCGAACCTGAGCAGCGCCTGGCGCAAC
CACACTGTCCCACTGCGGCTGCGGGACGGCCGCGAGGTGCCCCACAGCTGCCGCCGCTACCGGCTCGCCAC
CATCGCCAACTTCTCGGCGCTCGGGCTGGAGCCGGGGCGCGACGTGGACCTGGGGCAGCTGGAGCAGGAGA
GCTGTCTGGATGGCTGGGAGTTCAGTCAGGACGTCTACCTGTCCACCATTGTGACCGAGTGGAACCTGGTG
TGTGAGGACGACTGGAAGGCCCCACTCACAATCTCCTTGTTCTTCGTGGGTGTGCTGTTGGGCTCCTTCAT
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TCAGCTTCCTGCAGATCTTCTCGAAGAATTTTGAGATGTTTGTCGTGCTGTTTGTCCTTGTAGGCATGGGC
CAGATCTCCAACTATGTGGCAGCATTTGTCCTGGGGACAGAAATTCTTGGCAAGTCAGTTCGTATAATATT
CTCTACGTTAGGAGTGTGCATATTTTATGCATTTGGCTACATGGTGCTGCCACTGTTTGCTTACTTCATCC
GAGACTGGCGGATGCTGCTGGTGGCGCTGACGATGCCGGGGGTGCTGTGCGTGGCACTCTGGTGGTTCATC
CCTGAGTCCCCCCGATGGCTCATCTCTCAGGGACGATTTGAAGAGGCAGAGGTGATCATCCGCAAGGCTGC
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AGCAACAGTCCCACAACATTCTGGATCTGCTTCGAACCTGGAATATCCGGATGGTCACCATCATGTCCATA
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ATTTGCCCCGGCGCTATTCCATGGCCACTGCCCTCTTCCTGGGTGGCAGTGTCCTTCTCTCTTCATGCAGCTG
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TACCCCACTCCCAGACACCATTGACCAGATGCTAAGAGTCAAAGGAATGAAACACAGAAAAACTCCAAGTC
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TCTAAGTCCTAACTATTACAATGATGGACTCAGCACCTCCAAAGCAGTTAATTTTTCACTAGAACCAGTGA
GATCTGGAGGAATGTGAGAAGCATATGCTAAATGTACATTTTAATTTTAGACTACTTGAAAAGGCCCCTAA
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TCACCAGCAAAGTGCACTGATGTGTGAGCTCTTAAGACCACTCAGCATGACGACTGAGTAGACTTGTTTAC
ATCTGATCAAAGCACTGGGCTTGTCCAGGCTCATAATAAATGCTCCATTGAATCTACTATTCTTGTTTTCC
ACTGCTGTGGAAACCTCCTTGCTACTATAGCGTCTTATGTATGGTTTAAAGGAAATTTATCAGGTGAGAGA
GATGAGCAACGTTGTCTTTTCTCTCAAAGCTGTAATGTGGGTTTTGTTTTACTGTTTATTTGTTTGTTGTT
GTATCCTTTTCTCCTTGTTATTTGCCCTTCAGAATGCACTTGGGAAAGGCTGGTTCCTTAGCCTCCTGGTT
TGTGTCTTTTTTTTTTTTTTTTTTAAACACAGAATCACTCTGGCAATTGTCTGCAGCTGCCACTGGTGCAAG
GCCTTACCAGCCCTAGCCTCTAGCACTTCTCTAAGTGCCAAAAACAGTGTCATTGTGTGTGTTCCTTTCTT

Table 6
584/3331

GATACTTAGTCATGGGAGGATATTACAAAAAAGAAATTTAAATTGTGTTCATAGTCTTTCAGAGTAGCTCA
CTTTAGTCCTGTAACTTTATTGGGTGATATTTTGTGTTCAGTGTAATTGTCTTCTCTTTGCTGATTATGTT
ACCATGGTACTCCTAAAGCATATGCCTCACCTGGTTAAAAAAGAACAAACATGTTTTTGTGAAAGCTACTG
AAGTGCCTTGGGAAATGAGAAAGTTTTAATAAGTAAAATGATTTTTTAAATATCAAAAAAAAAAA
Table1 3527
NNNCGATTAATCGATTCCTAAAGATTTGGCTCGAGGCAAGATGGGGCCAGGGAGGATGAAGAAAG
AAGAAGGACTCCCCAGAAAACACGGGACTTCCCCGGAAGCTACTTGAAAAACATGACCCCTGGCCGGCCTA
TGTCACCTATACCTCTCAGACAGTGAAAAGACTCATTGAGAAAAGCAAAACTAGAGAACTGGAATGCATGC
GTGCCCTCGAGGAAAGACCCTGGGCATCAAGGCAGAATAAACCTTCCAGCGTCATTCAGCCGAAAAGGAGG
AAGTCTTCCAAGTCTTCTGGCAAAGCTGTGTTCAGGGACACGCTGTCAGAATCCACGTTATCAATGTGGGG
CGCTTATTCGGTATTGGCCATGGCTCCTACCATGATCCCAGAACCCACACACTTACATGCGGATTCCAGAG
ACTGTCCAACTGAAAACTATAACAAGATCATCTTTGCCCGCAAGCCTATGATGAGGATGCTCCCTACAGTT
CGCTACTGACCAACAAGGAGAAACATGCAAATGTTTTAGCCAGGGGTCCCTGCAGCCATTCCCCAAGAACG
TACAAAAGTTAAGCTCCATTTACCACTCACTTGACAGTGTCCTTTAAATCTGAACTTGCTCTTGCTCATGC
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CTGCTCTCTGGTGGGTTTGGGCAGTCCCTGGCTCTAGTCTCTGCTGCAGATTCTCAGGACCAAAATGTGGG
TGATTTGTCTGGGTCCAGGCAGGAGACAGAAATCACACAAGCTCTTTTATTAGAGATAATATAAAGAATGA
TTAACCAGGTGACAGTAAAGGGCAGGAAGGGAATACAAAGGTATCCATGGAGGTAGCACCACAGGAAGCAG
GCATCACACTTGAGGCTTGGGAACAAGGGGAAGATGCTGGACTCATTGAAAGGTGGTTGCTTGGAGAAGGG
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GCTCTGAGGAGAGTCCTGTGGGGATGGTGCCCCCTCCTCTGAATAGGGGAGATGTTTTGTTGGTGTCTCTG
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TGATAGAAAGTGAACAGGAAGCAAACAGGAAGTGAGCAAGGGGCCACTTCCTACTTCCTCCTTTAGCCTAG
CAGATTCCTTCTAGCTCCCCCTGGGGGCTGAGCCTATCAGGGCACAAAGCCAGAATGTGGTTTGTAGAATC
CCAGCCCCAGCATCTCCAAGCATAGGATGGATTTTGAAGCCAAGAGGGAATTAGCTCTCGGCCGGGTTCTG
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GTGGGGACCAGGGTGTCCCCTGCTGAGAAATGGAGAGCTCTTTTCCCCTGTACTTCTCTGGGGTTTGCCGT
GTGGAACCAAGTGCTTGGGGGAGGAGCTCCTGGCAGCACTCCAGCTGGAGAGTCAGAGGACAGCTAGGATT
GGTTCACCCTTGCTCTGAGTTGGCCCAAGCGAGCTATGCTGAACTCTTCTCCATCTCCAAGCAGACAACCT
TTGTCTTTACATGCAAGAGGGATCCAATTATGACAGGCTGACCCAGCTGGTTTCATGTTTGGGGTTTATCT
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CCTCACAGAGATGTAGAGGATGAGATGTAGTAACTTATAGCAGTGTCATTTGGAAAAGTTGAATTTGCCCT
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Table1 3528
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Table1 3529
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Table 6
585/3331

CTCAGGTAATGGAAGTGGGCAGAGAATGATCCTTTCCCTAGGCTCCAGTGTGTAAGAATTAAAGAAAGAGG
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Table1 3530
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Table1 3531
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Table 6
586/3331

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Table1 3532
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Table1 3533
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Table1 3534
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Table1 3535
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Table1 3536
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Table1 3537
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Table1 3538
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Table 6
588/3331

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GATGGCTCctcgctgctGTtgcttCACCAGCAATGCCAGAGACCAGAGTAGCAATGCCTGAAGGAGGAGGG
CCCCGGAGTCCCTCAATCGTGCGTTTGGACTGGCTGTTCAGACGCTGCTTTAGTTCTGCCTTCTCTGCCTC
CAGCTGGTCGATGTCAGCCTGGAGTGCATCCATTGTCTCCTCAAACTCTTTCTCCTTCTTTCGCAGCAGTG
CCTGGGTCTCCTCCAGCCGAGTCTGGACTTTCTCGATGCGCTCATCTGCATCCTTGGCAGCACTGTCCAAC
TTCTTCTCCAGGAGGCTCAGCCGCACATTGGCCTCACTTAGCTCCTCTCCCTTAATCTTGAGTGACTTCTT
CAACTCCTTAATAACTGTCTCTCGATCTTCGAGCTTCAAACCCAGGCCTTCAGCATCTGTGATCTCTGCAC
GAAGGGCAGCAGCCCGCAGTTCAACCGGTGGAGGCTTGCTGGGGGGCCGCTCTGCATCATACTCCCCCTCC
TGCATGGCTGTGGCCAGCTTGTTCATGGTACTGATGAGGATGTTGCATGACTGGCGCAGACACTCATAGGG
GCTGCTGGAGGGGGTCCCATAGATCTGCTCGCTTGCTTTGAAAGCCAGTTCCTCCAGAGCAGCCACAAGTA
GCCCCTCATTCTCTGCCAGTGGGGCAATGAGCTGGGCAGCAGCAGCTGCCACCTCCTGCAGCACAGCCACG
ACCCACGTCAAGTGTTTCCTGCAGTCTAGGAGCGTGTCAGATACCTGTGGTCCAAAGGCCAGTGCAGCTGG
GATCCCAGGAGCATCTGTCCCTGGCATTCGCCTTCGGATCTTCTTGCAGAACTGGCGGATGTCACTGCATG
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CGTCCTACCTCCACACTCATGCAGTCCAGAGCACTCTGCGTGAACTTAATGTGGTCAGCCAGCTGCATAGT
ACAGTCCTCAGGCTGTTCGGCAAGGTGGATGCTGTACAGATGCTGATAGTACTTGATGGCCTTGGTGAGAG
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TGGGCACTCATCTCAGGGTACAGGCTGCCCACTTTCTTATACACATCCACACTGCACTGAGAGAGGGCATG
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CCCCAGCAGCTCCTCGCAGCCCAGGCCGCTCTGAACAGTTCTCACTTAGTTCAAACTTCTCCTGGGCCTGC
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CCATCTGCCTCAATTCCATCTCAATTGCCTTGGCATGGGCCTTAGTCTCAGCAAACTTGATTTTGAAGTCA
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CTGCCTCCACACGCTTCTGGGCCTCACGAACCCGCGCGCCTGCCATGTCCAGCTGCTCCCGCAGCTCCAGT
TCTGTCTCACGTGCATTCTCCTGCAGCTCATCGTTCATCTCATTCATCGCTTCCAAGTCTCCCACAGTCTC
CCTCAACTCGCGCACTTTCTCTTCCAGATTCAGGTTCCGATCTGTCAGCATCTCCACCATCTCCTCAGCAC
CCAGAGCAGCATCCACCTGCTCCTTGAGCTCATCAATGGTGCTCTCTGCCTGGCTTAGCTCCTCCTGCAGA
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CAAGCTGCTTGAGCTGATAACTGGATGCAGCGCCATCTGAGCCCTTCTCTTCAATCTCAGCCTTGAGGATC
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CCCTTAGTCCCTCCTCCTCCTTGGATGGGGAAGGAAGCGGGGGGACTGCTCCAGGAGAGGTGAGGACCGGC
GTGGGGATGATGGGTGCTGCCAGCGGAGTCTGAGCCGGGGTGCTGGGCTCACTGCTGCTCAGCTCACCTGC

Table 6
589/3331

TGACGCTGAGCCAGAGGGGCCCAGGGAGCTACTGGCCCCAGCCACCCCAGTACTGGCTGGGCGCGTGGGCT
TGGGTCGCCGAGTTGTGGTCAGTTTGCTAGTCTTTGCAGTTGTATCAGTTCCCTCTCTTTTGAGGACTTTT
GAAGCAGAAGAATCAGGTGTCTCTGGGGAAGTAGTATCTGCTCCATCTTCAAATACCTGGATCTGGGACTG
GCGCACAAAGATGCCATGCCCTTCATCACAAGTGAAGTACTTCCTGCCTTGAACAGTTCCATCATTTTTGC
CCTTTGCTTCATCCAGAATCACGCCTACCCATTTGCCAGTGGCAAACAGTGTGGCTCCAACATAGGCCACA
GTGCCTCGGTGGCCTTTTCCAATCACCTCTACACGGGAGCCCACCCGCAGAGGCCGGGCGCTTGCCTCCGC
ACTCATCCTGCTGCCGCTGGGCGTCTGCACTGTGAGGGGCTCCGCGCCCAGCTCCGACCCCACCGACGACC
GACGCCCAAGACCCTGCGGGGCCGGCCCCGCCCTCCCCGCCCTCGTGGGCTGCCCGACTCGCCGCCAGACC
CTTCCAGGACCGCCCAGAACCCTTCGGCCCAGAGGCCCAGAGGCGTTCTGGGTCGAGTGAACCCTCTTTTC
CCGCAGTCCAGCCcagactGAAAACTGCGCACCGACCGCAGCCGGGCGGACGC
Table1 3539
gcagtgtccgacccgagagttgcggcctgagtcaccggccccgccctccggagccggacgctgcc
gggaggcCGGGAGCGGCAGTGGAACCGACTCCCAGAACTCCGGACGTGTGCGGCGCAGTGAGTCGCAGCCA
TGTTCCTGGTTAACTCGTTCTTGAAGGGCGGCGGCGGCGGCGGCGGGGGAGGCGGGGGCCTGGGTGGGGGC
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GAGGAGGTCCGGCAGTTCCGGAGACTCTTTGCCCAGCTGGCTGGAGATGACATGGAGGTCAGCGCCACAGA
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CATGTCGCAGCATGGTGGCCGTGATGGATAGCGACACCACAGGCAAGCTGGGCTTTGAGGAATTCAAGTAC
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CAGTAGTGAACTCCCAGGTGCCTTTGAGGCAGCAGGGTTCCACCTGAATGAGCATCTCTATAACATGATCA
TCCGACGCTACTCAGATGAAAGTGGGAACATGGATTTTGACAACTTCATCAGCTGCTTGGTCAGGCTGGAC
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AGCTTTTGTTCTCTCAGTACTTGTTACCCAGCTTCTCAACATCCAGGGCCCAATTTGCCCTGCCTGGAggt
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cggccaccagtgccgtgcttgtttttggcccgctgaggcaggggtaattgccctggtgaaaaaagggcgt
gatcccgggcgcactgcctttgaaggctggggtttaaggggtcccggaggtttgggtctgggccacc
Table1 3540
NNNNGGCCCTCGAGGCCACGCGGGGAGGGTAGAGTGAGAAGCACCAGCAGGCAGTAACAGCCAAC
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AGCTCCAAAACAAACCAGAACAGTCAGCTCCGGGGGAGCACGACTGGGCGAGAGGCACAGAAATGGACACC
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TATTTGAACTCAATTCTGAATGGAAAGAGGAGCATGAGGGAGAATCTCCCGACTTTCCAGAAGAGTTAGAA
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ATTTTAAGAAATCAAAGAGAGAAAATAAAGACCTTGCTTATGATTGCAGATAAAAAAANNNNNNNNNNNNN
NNNNNNNNNNNNNNNN
Table1 3543
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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Table 6
590/3331

TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
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GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table1 3544

NNACCATATAGGTTGGACGACGGAGACACGTCATTCATGCGAACTTTCCCTTCACCCAAATGCAG
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TCAGGGAAATATCAAAGTGTAAAAATATATGGGATAGTGAGAAAGAAAAAGCCATCCAACACCAGCACATT
AGAAATTACTCAATCACTTCTGTCATGTGAAAAAGGGATCAGCACCCCACCCAGAGCAAACTCAAACTCTG
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AATTCCTGGTTGCTCCTTGATCTTGTGTAACATTTATCCAATCATTTAGGCTGTTTGGGTTGAAGGAGGGT
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ATTTGCCCACAGGAACTAAGGTTTGGTCTGTCAGCAAAAGGTTTTGTTCATTATTTCAAACTGGGAAAGTG
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CCACCATCTCTCATGGCTCCATTTGAAGAAAGACACATCCTTCACAGTGCTATATTACCTTGTCTGTGATA
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TTCTTTAGGCTGAAAATAAGACTGTACTTTCATAAACAAATAGGAAAATGTGATCTATTGCTTCTTTTCTT
GGTCCGTGCCCCTCGCCTTGCTAAGTCAGTTTTTCGACTGCCTGTGTGTGTGTGTGTGTGTGTGCATGT
GTGTGTGCGTATGTGTGTCCAGAGGCCACTGATCCAGTCCAAGTGTATTTAGAAATTAGTTCAGTGGCTCA
CAAAGGTCTTAGAGGCCACTACTGCGCTGGGGAAATCCATTGAGCTTGGCTTGTTCTCTCTTGCTCTTGCC
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Table1 3546

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table1 3549

NNNNNNNNCCCTGCTCCCTGCCCTCCTGGGCAGCCAGGGCAGCCAGGACGGCACCAAGGGAGCTG
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ACCTGTGAGGGGTGCAAGGGCTTCTTCCGCCGGAGCCAGCGCTGTAACGCGGCCTACTCCTGCACCCGTCA
GCAGAACTGCCCCATCGACCGCACCAGCCGAAACCGATGCCAGCACTGCCGCCTGCAGAAATGCCTGGCGC
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GTGCAGAAACAGCTGCAGCAGCGGCAACAGCAGCAACAGGAACCAGTGGTCAAGACCCCTCCAGCAGGGGC
CCAAGGAGCAGATACCCTCACCTACACCTTGGGGCTCCCAGACGGGCAGCTGCCCCTGGGCTCCTCGCCTG
ACCTGCCTGAGGCTTCTGCCTGTCCCCCTGGCCTCCTGAAAGCCTCAGGCTCTGGGCCCTCATATTCCAAC
AACTTGGCCAAGGCAGGGCTCAATGGGGCCTCATGCCACCTTGAATACAGCCCTGAGCGGGGCAAGGCTGA
GGGCAGAGAGAGCTTCTATAGCACAGGCAGCCAGCTGACCCCTGACCGATGTGGACTTCGTTTTGAGGAAC
ACAGGCATCCTGGGCTTGGGGAACTGGGACAGGGCCCAGACAGCTACGGCAGCCCCAGTTTCCGCAGCACA
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CAGCCTCAGCTTTGACCTGTCTCATTTCCCATATTCCTTCACACCCAGCTTCTGGAAGGCATGGGGTGGCT
GGGATTTAAGGACTTCTGGGGGACCAAGACATCCTCAAGAAAACAGGGGCATCCAGGGCTCCCTGGATGAA
TAGAATGCAATTCATTCAGAAGCTCAGAAGCTAAGAATAAGCCTTTGAAATACCTCATTGCATTTCCCTTT
GGGCTTCGGCTTGGGGAGATGGATCAAGCTCAGAGACTGGCAGTGAGAGCCCAGAAGGACCTGTATAAAAT
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GTGATCTTGCCCAGAACCTCTCTTGGCTTCATAAACAGCTGTGAACCCTCCCCTGAAGGATTAACAGCAAT
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Table1 3550
ACGCGGGGGCAGACACCCAGCCACTCTGAGCAGAACTGACAGCATGAAGGCACTCCTGGCCCTGC
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AGGTTTTGCCTTCAGCAACCCCTGGACTGTGACGACATCTATGCCCAGGGCTACCAGTCAGACGGCGTGTA
CCTTTAGTGGTTGCCAATCTGGGCATGTCTGAACAACTGGGTTATAAAACTGTATCAGGTTCCTGTATGTC
CACTGGTTTTAGCCGAGCAGT
Table1 3551
ACGAAGGCAGTTTGGAGCTGGGGCTAAGCAGCTGTCGCACGGTCAGATCATGGGCTCCACCAAGC
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GTCGCCCTGGTTTTCTATGGCGTCTTCCAGGACCGGACCCTGCACGTGAGGTATACGGACATCGACTACCA
GGTCTTCACCGACGCCGCGCGCTTCGTCACGGAGGGGCGCTCGCCTTACCTGAGAGCCACGTACTATAAGG
AATTCAAGTTAACAGAGGCTTGATTTATATAAAAGAAAGCTGCAGTTTTAAAGTTGTGTTCCTTAAAGACC
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Table1 3552
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CGGCACCTGGTCTGTGTTGGGCTCACTGCTTTACTATAGCCGGACAATGGCGAAGTCGTCAGTAGACCAAA
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ggctgcggaagtgacaaacaacaaacgcaacagacaaagaacaaaccaaaaaacacagaaaacgaagcaag
aagagacaagagaaaaaacataaagagccaacacaagcccacaaccacagacacagcagccaacacagcga
aaccaacaaaaaacacagcaccgcacacaagagcgcaagacaagagaccacagagccgaaca
Table1 3553
NNNCGATTAATCGATTCCTAAAGATTTGGCTCGAGGCAAGATGGGGCCAGGGAGGATGAAGAAAG
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TGTCACCTATACCTCTCAGACAGTGAAAAGACTCATTGAGAAAAGCAAAACTAGAGAACTGGAATGCATGC
GTGCCCTCGAGGAAAGACCCTGGGCATCAAGGCAGAATAAACCTTCCAGCGTCATTCAGCCGAAAAGGAGG
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ACTGTCCAACTGAAAACTATAACAAGATCATCTTTGCCCGCAAGCCTATGATGAGGATGCTCCCTACAGTT
CGCTACTGACCAACAAGGAGAAACATGCAAATGTTTTAGCCAGGGGTCCCTGCAGCCATTCCCCAAGAACG

Table 6
592/3331

TACAAAAGTTAAGCTCCATTTACCACTCACTTGACAGTGTCCTTTAAATCTGAACTTGCTCTTGCTCATGC
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GCATCACACTTGAGGCTTGGGAACAAGGGGAAGATGCTGGACTCATTGAAAGGTGGTTGCTTGGAGAAGGG
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CAGATTCCTTCTAGCTCCCCCTGGGGGCTGAGCCTATCAGGGCACAAAGCCAGAATGTGGTTTGTAGAATC
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GGTTCACCCTTGCTCTGAGTTGGCCCAAGCGAGCTATGCTGAACTCTTCTCCATCTCCAAGCAGACAACCT
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CCTCACAGAGATGTAGAGGATGAGATGTAGTAACTTATAGCAGTGTCATTTGGAAAAGTTGAATTTGCCCT
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CCTCTGGCTCTTGTGCTTTTATGTTGGGACAGCTGCCTAAATTAGGAGCTCTAGACCTGTTATTGGTTCCC
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GCGTTTTACAACGTCGGGACTGGN
Table1 3554
NNNNNNNNAGCTTAGCTAAGAGGTCTTTGTTTCCAGAGGACCCAAGACTACCAGACTCCTGTGCA
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CACTGCTCGGTGGTTTGTCAAGCTCAGAGGCAGCCACGGATGGTTAGGAACAGGAAGCCACACTGCTAAGG
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Table 6
593/3331

GTGCTTAATCGGTGGTGGTAGGATTCATGGAAACGTTTTTTTTGAAATGAAAGAGAAGATGATGTACTTACA
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GTAAN
Table1 3555
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Table1 3556
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Table 6
594/3331

ACGTCATTAACACCCCTCTTCAGACAATGCACATCATGGCAGACCTGGGGCCCTATAAAAAGCTTGGCTAT
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GGCAGTGCTGAGTCCTTTCTGCTAGCTGGGTGGTATCTTTTACTGTGTTTTTTTGTTTGTTTGTTTTTTTG
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Table1 3559
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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Table1 3560
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Table1 3561
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CCAACCGTGGGAGACAGCAAGAGAAAAGCGTCCCCCAGCAAGAATGATACTCGGGGATTCATGGATCAAAA
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Table 6

ACCTCGTCAGCCATGTAAGACGCCTGCTCCCACTTTGCCTTCCACCATGAGTCAAAGTTTCCTAAGTCTTC
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Table1 3562
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table1 3563
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table1 3564
ACAGAACAGTAAAGTTAAAACGGATGTCTCCATTGATCTGCCAAATCGTTATAGAGAGCAATTTG
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AAAAAAA

Table 6
596/3331

Table1 3565
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table1 3568
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Table1 3570
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3572
ACATTTCCAAAGTCAAGAGTCAAATAAAAAAATCCCATGGAATTTGGAGCCTATTTAGAACTCAA
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TCTTCCCATCACGTGGACNN
Table1 3573
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CAGAGGGTGCAGTAAGCCGAGATTGCACCACTGCACTCCAGCCTAGGCGACAGAGCGAGACTCTGTCNNNN
NNNNN

Table1 3575

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TCAACCCAGAGCGTGCTTGCCGATGGGACAGATTCTGCAGACCCCTCaccAGTCCACAAAGATGggcAGAA
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Table1 3576

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CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
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Table1 3577

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Table1 3578

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table 6
598/3331

TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
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Table1 3579
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table1 3580
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Table1 3581
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Table1 3582
NNNNNNNNAGCTTAGCTAAGAGGTCTTTGTTTCCAGAGGACCCAAGACTACCAGACTCCTGTGCA
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Table 6
599/3331

CATCCATCACCGTGTTGAGAAATGGTGGGACGTTGGCTGGATATTGTGTGCTATGAATCTGATTTGTCCAA
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AGCTTTAACTTGTGCCCTCCCTGGCAACAGGGAGTCATGGGTTAATGTCACCTGTCATGCCTCTTTCTTCA
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GTAAN
Table1 3583
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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Table 6
600/3331

ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
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Table1 3584
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
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AGCCCTGTTTCCCCCAGAAGGTGTCAGCATCTGGAATCCTATCCTACTCTGGCAGCCCATCCCGGTGCACA
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AAAAACTTATCATGTATTCTGCGCATGACACTACTGTGAGTGGCCTACAGATGGCGCTAGATGTTTACAAC
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CCTTCTCAGGGCAGATGATGCTTTGAGAACATACTTTGGCCATTACCCCCAGCTTTGAGGAAAATGGGCTT
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gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa
Table1 3585
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA

Table 6
601/3331

CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
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CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3586
CCACGCGTCCGCTTGAGGAAGCCCAGTACATTTAAGTTGGTCGCGGCTTGGGCTCCGCTTTGGGG
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GCCGGGGTCGTGGCCGGGGCCAGTTGACCTTCAACGTGGAGGCCGTGGGCATTGGGAAAGGGGATGCTTTG
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CATGGGAGCTGGGTGACGGTGCATTGGCGGTTTCTGAGAGATCTGGCCGGTTTCTGAGACAGAAGACCGGC
CTTGTCTCGCAGCCCGGCGCCATCGGGCCGGGCGGAAGGGGAGAATTAACCCCTCATGTCCGGAGGGAGGC
ACCCTGGGACCCCGTGGGGCACCCCTGGAGGGGCGTTAAACCGTGNN
Table1 3587
NNTACATGGTGGCCAATCAAACAGGCCACACCCTTGTTGCAAGTCCCGCGAGAGGTTCAGAGAAC
TCTCCCGTTTTACTTCTGCCTCAGGCCTCACCCGCCACAGGAAGTGGAACTCTATACCTCCACCTCGCCTG
GCTGGGTGGAGCCTCTAAACTCAGGATTCTGCCTTGAGCTGTGGCTCTCCCCTCAGGTTGACAGGGTCCAG
AGCAAAACCTACGGAAGAAGCTGCAGAGGCCAGGTGGAGGGAAGGATGCTGAACTGGAGGAGGCCAGGAAA
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TGANNN
Table1 3588
ACGCGGGGTCCGCCCTCCCTTAAGATCACGGAAGTATCCCGCTTCCCGCGGACACAACTTTTTTT
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GTACTTCTCAGTACTAGAACTGGTACCTGGGTTCTTGGGCGCTCTTCAGATTGGGGCTATCCTTATAATAT
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Table 6

TACAAGCAAGTCTTTCCCTTAAACCTAGAGAGAGCGACATTAGCCATCATCGGCCTTATCGGCCTTAAAGG
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ACCAGCAAAGACAAATTTGACTACATTGCCTACATGGATGATATCGCTGCCTGCATAGGCACAAAGCCCAG
CATCCCACTTCTGTTCCTCAAGGATCCCAGACTAGCTTGGGAAGTTTTCTTTGGACCATGTACTCCTTATC
AGTACCGCCTCATGGGCCCTGGAAAATGGGATGGAGCCAGAAATGCCATCCTGACCCAGTGGGACAGAACA
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CTGGGGGGCACCTGTCCTACTTGCCTCTCTTCTACTTATCTGTAAATCTTCACTTTTCTTGAAATTGGTGA
GAGATAAACTACAGGACAGAATGTCCCCTTACCTAGTAAGTCTTTGGCGAGGATGAACCTGATTGTTACAA
GGGTTACACCAAGTCATGCTAATTCTATCTCCAAGTATCTTGTGCATCCCTCCTCTGCTCTCCATCATAAC
TGCTATTAGCCAAATTCAGGCCCAGTCATCTCCTATCTGAATTATTGTATTATCTTCTTCTTTGTTTTCAG
TACCCTCTTTCTTGCCACCCTTTCCAATGCATCTTCTACCCTGCTACCTCAGTGATTATTCTAAAATAAAT
ATATATGATATGGTTTAAAAAAAAAAAAAAAAAAGCTGCGGCCGCAAGCT

Table1 3589

NNNACCATATCTGGGGGAAATGAACTCATTCCTGTAAAGAGTCTGCTCTGACAGTAGCATTTGAG
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ATTTGTTTTCTCCCTAAGAAGCTTAATGTGGACACTACAAATAATGACCAAAGCTGCTGAGTATGGCATAA
CAAAGAGAAAACAAAGCACTCATCCTGTCCTCCAGATCATGCCCAGAACACTGTCTGCCAACATGTGGCTT
GCCAACTGGAATGATGCAAATGTCAGACCCACATCTGTGGAAAAGGGGCTCGTCCCACAGGAAACAAGCTA
TTGGGGAATGGGGAGAATGATATAATTAGAAATTTAAGACACAGTATTACTCAGAAAAATGTTGGCTGGGC
AGCACATTGCTAAGACTTGAAATCTTTATTCTGTTCTCTTTTCAAAAGCCCTGTGAGCATAATGANNN

Table1 3592

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
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Table1 3593

NNNCGATTAATCGATTCCTAAAGATTTGGCTCGAGGCAAGATGGGGCCAGGGAGGATGAAGAAAG
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Table 6
603/3331

TTGTCTTTACATGCAAGAGGGATCCAATTATGACAGGCTGACCCAGCTGGTTTCATGTTTGGGGTTTATCT
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GCGTTTTACAACGTCGGGACTGGN
Table1 3595
NNNNNNNNNNNNNNNNNNNCTATATAGAGACGAGGTCTCACTGTGTTGCCCAGCCTGGTATCGAAC
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Table 6
604/3331

GGCGGGTCGGGAGGCCATACAGGGGATCTCACACGGGGTCCACAGCGAGTCGAAATCAATTCGCCGGCACN
NN
Table1 3597
TTTCCAGGGAGTAAAAAGGCCTTTTGGGTGGCACATAAATCTACTGCGGTGCTGCCTGCTGTGGC
GCGGGACAGCTGTTGAATTGTTGTAATTGGCTGACTCCCTGAAGTGGTGGTATTTTCTGTAGGGGTTGTTG
TCCTTGAAAACCCTGAGGAACAAACAGTTTAACTGGGAATGCCCCAGTTTGTTGGGGGGCCTGAGGCTGGC
CCCTCTTCCTGTTTCCAGACAATGGTTGCCCATCTTTATCAAATTTAGAATGACATTGATTGGCCCAATGT
TTTGCTTTTCCACATTTTGGACACAGGCCAGATGGCTTTTTATTTTTTGCTGTTAATAGCTTGATTTATTA
TATTCTGTTTATTTAAGCCTGGGCAACTCCTTTTCAGATGACCGATTTGACCACAATTATAACATTTTTTC
CCAAATGTTCTAACTTGTCCTCCTAGAGTGAGCCCCCTCATTGCTTGAGCCATTAGCATTGCCTTATGCAT
AGCTCCTCCAATCCCATCACAAGCCTTCACATATTCTGTAATTACATCAACTCCTGCTGGAACTTTTCCTT
TTAATGGCTTTATGGCCGACTGACATTCTGGATTTGCATTTTCATAGGCCATTAATTCTACAATAACTTTT
CGGGCATTGTCATCTGTAATAGACTTTTGAGCAGCATCTTGTAATCTTGCCACAAAGTCAGGATATGGCTC
TTTAGAGCCTTGTCTAATTGAATTAATAGGGAAAGCTGTTCCTGGGTCCTGAATTTTTCCCCAGGCCCTGA
GGCAAATAGCCCTTACTTGTTCAATAGCCTCATTCTGCATCACTGATTGTTGGTTAATGGTGCTCCAATTT
GGACCTGTTCCTAACAATTGGTCTGCGTCTATATTAACAGTGGGCTTAGTAGCCTGATTTTTTCGTACCTG
TTCTTGTACTCCATCAATCCACCAGGTTTTAAACTGTAGATACTGAGAGGATGAAAGGGAAGATTTGGCCA
AAATTTCCCAGTCATAAGGAGTAAGTCTATTTCCATGAGCAATGGAATCTAATAATGTTCTTATATAAGGG
GAGTTGGATCCATATTGTTTAACTCCTTCCTTTATATCTTTTAACATTTTCATGGTGAAAGGTTCACATCT
AGTCTCAGCTCGGGCAGGCGCTCCTACTTGAGTCTCTTCCCCGGCCTGTACCAGTTGTAAAATTACCAGGA
ACCGCCATGCCTCAAGATCGCCCTGTTTTCTGGCTTCATCAATGACTGCATGCAGTGCACCACCCTGTCCA
CTACGTGATGCTGTAGGATTAAGTCTCACAGTGGGCGGCTGAGGATACAGCGCCGCGTCCTGTGTTGCTGG
TGAATTAGACGCCATCGCTGTGGGTTGCTGGTATGGTGCCGTGCTATTTGGCACAGGACACACCGCTTGAG
GTCTGTATTGAACCTCTGAAGGAGGCCGATACTGAAGCTCGGTTGGCAGCCGGTATTGATAAACTACCAGC
GGTTGGGTCTTATTTTCTACCGGCTGATATTGTGGATACTGTATCTGAGTTGGCATTGCCGGGATAGAGAC
TCTGTCCCTTTCTACTTGATTTTCTCTTGGGGTTTGTGCTTGTCTAACCTGCGTTTGAGGTTGTAATGTTA
CAGGCATCTGAACCACGGGAGGAGGAGTTGATGGCGATCGTGGTTTAGGCTCTGATGGCCCCAATGATTCT
GGACCTCCTTCCCCCAATTTTGATGATTCAGGGTATATTATCTCCTGTAATTGACTGTAGTCAACATTTTG
CGTTGACTGAGCCATTACAGACTCTGCTACATATTTACAATGTGAACTTTCCGTTCCTTGCTGGGATTCTG
TCCCTGCCTCTTCTTCACAATCTGTTACACAGCTTTTAGGGGCATCAGAAACTGAAACAATATCTTCTCCT
GTTTGAAATGGTTCTAAAGTTGCTTTAATAATGGCCCAATCATTCCATACTGTAAGTGGGATGATTTTACC
TTCCCTATTTGCTTGTTTTAATTCTTTGCCAATTTTTTCCCAATCTTTTAGATCTAAAGTTCCCTGTTCTG
GAAACCATGGGCAGAATTGTTCTATTGTTTGAAATAGCGTAATTAGATTTTCTGTAGAAGCTCTAACTCCC
CCTCTTCTTAAAAGAATTTTAATAAAGCTGAGATAAGAGGCATATTTACTTTCAGTTTGCCCCATCGTTAC
CCTGGGTTCCTCTAAGCACACAAGCTTACCGCAAGGCTGACCGTGGACGTACTTGGGAATCTCTCGTCGGC
TGTCCTCAATGCTCACGTTCTTAGCGTACCTTCACCCTAGAGAAGGGCCCCCACGCCGGGCGCCAGATGAA
GGGGTGGCCTGCCCCTCCACACCTGTGGGTATTTCTAGTCGGGTGGGATGAGAGACGGAGAAAAGAAATAA
GACACAGAGACAAAGTATAGAGAAACATCAGTGGGTCCAGGGGACCAGCACTTAGCACACCAAGGACATGC
ACAGGCACCGGCCTATGAGTTCCCTCAGTTTTTATTGATTATGATTTTCATTATTTCAN
Table1 3598
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3599
GACATCCTCATAGAGAATCTCAGTGGATTAAGGCAGCTGTAACTTGTTTTGGACTGCAGTTACAG
AGGCCAAGGTATAGAAGAAAGGTAACGAGAGTGCCAGGATAGGAAAGTTCTGAGATGAAGACAACCTGGCA
GCTCAAAGTCACAGTTCTTGCCCTGTTGCTTCAGACCAAATTCCCTCTACAGCCTGAAGCAAGCTGGCCTT
GCCCACAGAGAACTGCCTTTCTCCATATGCAGCCACCTCCCTCAGGGCAATTCCTTGCCTTGGATCCTCAC
TGCACCTGCTTCACCAGCATCTTGGCTCTTCATCTCCCTACCCCCAGAGAAGCTTTCCATTTAGGAGCTCG
CAACGCCCTTCCTAGGCCATGCCAGTGTTTTAATTTGCTGGAGACTAGCCCACAGGAACAATAGTGGCTGT
GTGTAGACACGATGGCCATGGCACACACTCATGGTTTTCACAACTTCATATGAATACACAGACTGGGCTCC

Table 6
605/3331

CTGGCGGACTGAGGGTAGCTGAGATGGCACATTCTCCTTCCACAGAAGAATGATTTCTTGTTTTCAAACGC
CTGCTGGGTGGCACTTACGGCTTTCACACTAGAACCAGCTCAGCTGGCTCTTTGTGTTTGTATACTTTAGG
TAGAAGGTACATTCAGAAAGTGACCCTAGAGAGACTGCCCCAAAGAGTGAAGGCCTCTGGGGAGCTCTGAG
CAGGTCACTCTGGATCTTAGCCAACTCACCACAGATGCTGGGCTGGCGCCTCTGGAGCAAGGCACCCCTCA
ATACCAACCTTCCCGAGGGAGGAACAGCATAACATATCTCACCCACAGACCCATGTGATGGGAGGGATGCC
CAACAGTGCTGTAGGGTAAAGAAAAATCTACCTCTGTGAAGAGCAAGAACTAGTATTGAAGTGACTAGATG
CCACAGTCCTGCTGTAAGAGCTAAGGAGCAGAGGTTCCTCTCTGTGTGGAGAGAGGAN
Table1 3601
ACGCGGGGCCATCGCAAAGTTGTTAACCCCAGAGTCTTCTGGCTGTGCTGCCTCCTCTGCTTTTA
ATCTTCTGTGGATATTTCTCCGATTTCCCCCAAAAGCCCACAGATCCTGGGGGAAGCCACCCCATTCGGCC
ACCGATCATGGAAGAAAGTATTACTTTTTATTTACCAAACATTTTAAAGATGTTGGAAGATCCATATGCTG
CCTGGAGGCTGTTGTTTCTAGGGACACAAGTATCCAGCCTATATTGTTACAATTTTTTTTCAAGAACTGCC
GTCTTCTTTGCCTGCACTAATGGAACATCATCTTCAGCGGGCTATTTCAGCACAGCAGGTGTATGGCGAGA
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GGGGAATTTAAGATGCCAAAGCAGCTCATTCACATACAGCCTTTTAGTTTGGATGCTGAACAGCCTGATTA
TGATTTGGATTCTGAAGATGAAGTATTTGTGAATAAACTGAAAAAGAAAATGGACATCTGCCCATTGCAAT
TTGAGGAGATGATTGACCGCCTAGAAAAAGGCAGTGGTCAGCAGCCAGTCAGTCTGCAGGAAGCCAAACTA
CTGCTAAAAGAAGATGATGAACTAATTAGAGAAGTTTATGAATATTGGANNNNNNNNNN
Table1 3602
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3603
AGGTACCGTGTTTTAAGCTTAGTTCAGTCTCAAGTGTTTGCAGCCACATCTGAAGACCAATAAAG
CAACTGCTGGTTTATCCTTTGGGAGCTGACAGAATTTCTTCTCCCAAATACATACACAGTAAAATCATAAG
CCTTCCAACATCGTTACTGTTGCACTTTACGCAGTCAAGTGTCCAACTCCTCAGATGAGCAAGTGGTCGGC
CCTAAAAAGGGCCTTTGGGATCGAAACGTGCAAAGCTGGAGCGGCGGCCTAGCCTCCGAAGCCGTACCTGC
CCGGGCGNNNNN
Table1 3604
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3606
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC

Table 6
606/3331

ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
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ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3607
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3608
ACGCGGGGGAGTTTCACGCGCGTATGCTTTGCCCGCTATGGCCGCAGTCAAGGAGCCTTTGGAGT
TCCATGCCAAGCGGCCTTGGCGCCCCGAGGAGGCAGTAGATGATCCCGACGAGGAGGATGAGGATAATACT
TAGTGAAGCCGAGAATGGGTTCTCCCTGGAGGAAGTGTTACGGCTCGGAGGCACCAAGCAAGATTACCTTA
TGCTGGCTACTTTGGATGAAAATGAGGGAAGTGATAAAAGGAGGCAAAAAAGGGAGCCAATCGATGACCTT
TTACAAGGGGGAATTGGGGAGCCTTTTTTTTAAAAAATTTTTATTTTGGGGAAAAGTTTTAAAAAAGCTTT
CTTTTTTTTGGGAAAAAATAAAACCCCCTTTAAAAAAAAAAANNNNNN
Table1 3609
GGGCTGGCGCGGTGCATCGTGGGCACTGTAGTTTCCGCCGCGTTTATGGCCGCGTTAAGTCTGAG
TGCCGCTTTGAGTTGTTGAATGAAGTCATCTTCCTCTCGTGAGTGCCTGGCCGCGTCGGCCGCCACCGCGG
GGAGCTCAANNNNN
Table1 3610
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3612
NNNNNNNNNNNNNNNNNNCTATATAGAGACGAGGTCTCACTGTGTTGCCCAGCCTGGTATCGAAC
CTCTGGGCTCAAGCGATCCTCCCGCTTCGGCCTCCCGAAGTACTGGGATTACAAGCGTGAGCCACCGCGCC
CTGCCCAGTGGAATACTTTCAACGGGGCTTCTGCATTGACTTCCCATCTTCCAACCCATCCACAAACTGCA
GCCAAAATGATGTTACTACAGTAACAACTTGGAGAAAGCAGTGTGGTTTAATCTGGAAGGAGCAGAAGCTG
TGGAGTCCAAAGGACCCGTGTTCCTATCCTTGTTGTGCCACTTGACACGTTTAGCACAAGGGTCCCCACAG
TGTTAGTTCACCGTCTCCAGCAATCACGATGACTCCCTGAAGGGCTGTCAAACGAAACAAAGGCGCAAACT
GAGACAATTCCATTGTTTACGTAACTTTCGCCAAATCGGCTCTTTCCTACGAAATATCCAGCTCATAGAGC

Table 6

AGGCTGAGATGCTTTGTTGCTTTAATTCTCTTTAAGAGTCACAGCTGTCCATTTTCCACGTGCGGCTGAAG
AATGGATTTCAGAGCGCTCTCCCTCCGGCCGTGTTCACCTAGTAACCCCAGCTTCGGGATAAGGACCTGCA
GCCCGGGCGCGACCCGGAAAGGGAATCCGCCCTTTTCGCCTCCTTCGCGCCAATCGCCTGGAGTTGGCGTT
TCCGCAGCCGGGACACAGCCCACCCTCTAAGAGCCGCGGAGTCGGGAACGGTAGAAGGGGCCGCGCGTGCG
CAGTGGCGTCCGCTGTGCTTCCGGTGCGCCGGGCGCGGACGCGGGCACGCACACACGGAAGCACGCCTCCA
CTTAACTCGCGCCGCCGCGGCAGCTCGAGTCCACCAGCAGCGCCGTCCGCTTGACCGAGATGCTGCGGGCC
TGTCAGTTATCGGGTGTGACCGCCGCCGCCCAGAGTTGTCTCTGTGGGAAGTTTGTCCTCCGTCCATTGCG
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CAAATTATTTCTGCAGCAGGTGATACCCTGTCGGTCCCAGCCCCTGCAGTTCAGCCTGAGGAATCTTTAAA
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TAAGGGAGCGACCACCTGAAGAAGTTGCAGCTCGCCTTGCACAACAGGAAAAACAAGAACAAGTTAAAATT
GAGTCTCTAGCCAAGAGCTTAGAAGATGCTCTGAGGCAAACTGCAAGTGTCACTCTGCAGGCTATTGCAGC
TCAGAATGCTGCGGTCCAGGCTGTCAATGCACACTCCAACATATTGAAAGCCGCCATGGACAATTCTGAGA
TTGCAGGCGAGAAGAAATCTGCTCAGTGGCGCACAGTGGAGGGTGCATTGAAGGAACGCAGAAAGGCAGTA
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GAGCTGGTGGTCCAAGCTCGGGATGACTTTAAACGAGAGCTGGACAGTATTACTCCAGAAGTCCTTCCTGG
GTGGAAAGGAATGAGTGTTTCAGACTTAGCTGACAAGCTCTCTACTGATGATCTGAACTCCCTCATTGCTC
ATGCACATCGTCGTATTGATCAGCTGAACAGAGAGCTGGCAGAACAGAAGGCCACCGAAAAGCAGCACATC
ACGTTAGCCTTGGAGAAACAAAAGCTGGAAGAAAAGCGGGCATTTGACTCTGCAGTAGCAAAAGCATTAGA
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AAATGAGAACCCAGCTTCGCCGACAGGCAGCTGCCCACACTGATCACTTGCGAGATGTCCTTAGGGTACAA
GAACAGGAATTGAAGTCTGAATTTGAGCAGAACCTGTCTGAGAAACTCTCTGAACAAGAATTACAATTTCG
TCGTCTCAGTCAAGAGCAAGTTGACAACTTTACTCTGGATATAAATACTGCCTATGCCAGACTCAGAGGAA
TCGAACAGGCTGTTCAGAGCCATGCAGTTGCTGAAGAGGAAGCCAGAAAAGCCCACCAACTCTGGCTTTCA
GTGGAGGCATTAAAGTACAGCATGAAGACCTCATCTGCAGAAACACCTACTATCCCGCTGGGTAGTGCGGT
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CCCTGACCCGTGGGGTGTACAGTGAAGAGACCCTTAGAGCCCGTTTCTATGCTGTTCAAAAACTGGCCCGA
AGGGTAGCAATGATTGATGAAACCAGAAATAGCTTGTACCAGTACTTCCTCTCCTACCTACAGTCCCTGCT
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TGTCATATGCTTCCTATTGCATTGAGCATGGTGATCTGGAGCTAGCAGCAAAGTTTGTCAATCAGCTGAAG
GGGGAATCCAGACGAGTGGCACAGGACTGGCTGAAGGAAGCCCGAATGACCCTAGAAACGAAACAGATAGT
GGAAATCCTGACAGCATATGCCAGCGCCGTAGGAATAGGAACCACTCAGGTGCAGCCAGAGTGAGGTTTAG
GAAGATTTTCATAAAGTCATATTTCATGTCAAAGGAAATCAGCAGTGATAGATGAAGGGTTCGCAGCGAGA
GTCCCGGACTTGTCTAGAAATGAGCAGGTTTACAAGTACTGTTCTAAATGTTAACACCTGTTGCATTTATA
TTCTTTCCATTTGCTATCATGTCAGTGAACGCCAGGAGTGCTTTCTTTGCAACTTGTGTAACATTTTCTGT
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GAGGCGGCCTGGGCCCCAAAAGAGTTTTAGAGACCCCAATCGCGTGGGGGGCGGCGAGGGCCCCCAGTAGA
GGTCAAGTTGCACAAATGGGGCCATAGCGTGGTTCCCAGAGAAGACAACTCGCGGGCGAGGCACATCGTGG
CGTGCGCTTCCTTCCACCAAATAAGAACAAGCCCCCGGGGGGCCACCGGACCGGTTTGACAAAAACACGAA
GGCGGGTCGGGAGGCCATACAGGGGATCTCACACGGGGTCCACAGCGAGTCGAAATCAATTCGCCGGCACN
NN

Table1 3613

GACATCCTCATAGAGAATCTCAGTGGATTAAGGCAGCTGTAACTTGTTTTGGACTGCAGTTACAG
AGGCCAAGGTATAGAAGAAAGGTAACGAGAGTGCCAGGATAGGAAAGTTCTGAGATGAAGACAACCTGGCA
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GCCCACAGAGAACTGCCTTTCTCCATATGCAGCCACCTCCCTCAGGGCAATTCCTTGCCTTGGATCCTCAC
TGCACCTGCTTCACCAGCATCTTGGCTCTTCATCTCCCTACCCCCAGAGAAGCTTTCCATTTAGGAGCTCG
CAACGCCCTTCCTAGGCCATGCCAGTGTTTTAATTTGCTGGAGACTAGCCCACAGGAACAATAGTGGCTGT
GTGTAGACACGATGGCCATGGCACACACTCATGGTTTTCACAACTTCATATGAATACACAGACTGGGCTCC
CTGGCGGACTGAGGGTAGCTGAGATGGCACATTCTCCTTCCACAGAAGAATGATTTCTTGTTTTCAAACGC
CTGCTGGGTGGCACTTACGGCTTTCACACTAGAACCAGCTCAGCTGGCTCTTTGTGTTTGTATACTTTAGG
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CAGGTCACTCTGGATCTTAGCCAACTCACCACAGATGCTGGGCTGGCGCCTCTGGAGCAAGGCACCCCTCA
ATACCAACCTTCCCGAGGGAGGAACAGCATAACATATCTCACCCACAGACCCATGTGATGGGAGGGATGCC
CAACAGTGCTGTAGGGTAAAGAAAAATCTACCTCTGTGAAGAGCAAGAACTAGTATTGAAGTGACTAGATG
CCACAGTCCTGCTGTAAGAGCTAAGGAGCAGAGGTTCCTCTCTGTGTGGAGAGAGGAN

Table 6

Table1 3614

NAACTGCCACCTGGAAGATACAGGTGGAAACCCGAAAACAGAGTATTGTATGGGAGTTTGAAAAA
TACCAGCGATTACTAGAGAAAAAGCAGCCACCACATCGGCAGCTGGGGGCAGAGGTAGCAGCAGCTCTGGC
CAGCCTACAGCGGGAGGCAGCGGAGACCATGCAGAAACTGGAGTTGAACCATAGCGAGCTCATCCAGCAGA
GCCAGGTCCTGTGGAGGATGATTGCAGAGTTGAAAGAGAGGTCGCAGAGGCCTGTCCGCTGGATGTTGCAG
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GAAGACAGATTGCCGTGTGCTGGGGCTAAGAGAGATCCTGAAGACTTATGCAGCTGATGTGCGCTTGGATC
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AAACTGCCAGACAATCCTGAGAGATTTTACCGCTATAATATCGTCCTGGGAAGCCAGTGCATCTCCTCAGG
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TACCGAGCAGGCACCGATGAGTACCCAATCCTGTCCTTGCCGGTCCCTCCTCGCCGGGTGGGAATCTTCGT
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Table1 3615

NNGTGGTTGTTTGTTGGGCGCGGGGTCGTCCTATCGACCGCCTGGTTAGCCGCCGGTTTGGACCA
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CGTTCCTTCTTTTCTTCAGATGTCATGGTTGCAACAGTCTGTTCATTCACTACAAAATACAATTGTCCTGT
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CTTCAAAAGTATATGCCTTCTTCCCAGCCAGTAGGCAAATCTGTGCTCTGCCGCCGGTGTCCGGTGACCAC
CGCCTCGCCGGTGACGGGGTGCAGCCAGGTGGTGCTCTTGGCCTCCTCGTTGATGAAGAAGACTCGGCCGC
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GATCCCTAGCCGCCGCCGCCGNCNNNNNN

Table1 3616

ACTTTCCGCCGCCGCCACAGCGGCCCCCTCTCTGAAGAATGCAGCCTTCCTAGGTCCAGGGGTAT
TGCAGGCAACAAGGACCTTTCATACAGGGCAGCCACACCTTGTCCCTGTACAGTGGACAGCTTAGCATGTT
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GACTTCTTTCCAGAGAACAAGACATGAACAGGTTTATTTACAGAAGACAATGAATTCTCATTTGTCTAACC
TAAAAGATTACAGAATCTTTCTCAACAAGTCTAATGTAGACAGTAAAATCAACAGGCTAAAAATTAAGTTC
CATGAAACAAGATAAAACTCTGAGAGAAAAGATGGGGCAGGCCGCCATCTTTCCCGTTCGGGCAACTTAGT
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Table 6
609/3331

TGCTTTACCAAATCATGGCCAGACTGCTTCTGTAAGCAGGCCCCTGATCCTGTTCCACCTCACTGGACAGG
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Table1 3617
ctctggaagctagaggaaccagacctcATCAGTCCAACATCAAAGACACCATCGGAACAGCAGCG
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CAATCTGGGCCTGTCTGTTCTGAATGGTCAGTTTCACTGTAATCCTCAGGCCCTTCCAGTCACCCGTTGCC
TTGACAATGTCATCACCAACTTTTTTTGGAGACAGACCCAGGGGGCCGATCTTGGGGGCCAGGGCAGAAGT
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Table1 3622
NNNCGATTAATCGATTCCTAAAGATTTGGCTCGAGGCAAGATGGGGCCAGGGAGGATGAAGAAAG
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Table 6
610/3331

AGTGATCCCATCCAGCTGCTCCTGGACCTGGTATTGAGAGGTTTTTCCCTTGGAGGGCAAACAAAGTGGCA
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GCGTTTTACAACGTCGGGACTGGN
Table1 3623
NATAACTCAAAATTGAGACGCTTAGTAGGACCCAAAGATCTTTCCTGGAAACTTTTTTTTGAGAC
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TTGCTTCAGAGTGAGTCTTCAAATGCAGCAGAAGGCAATGAACAGAGGCATGAAGATGAGCAACGAAGTAA
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TGCCAGCATGCCCTTGCCTGGAAGTGGAGAGACACCTACAGTGGACACCATTGACTCATATATGAACAGAC
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Table 6
611/3331

GTTTTGTGCAGCATTGCTAGCACTGCTTTTGTGACCAGAAAAGGCCATAACATGGTCCAGGATCATCATTC
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TCCCATTCCCACATCTCCCTGGCCCCTCCTCTTCCCCTCTCTCTCCCCNNN
Table1 3624
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table1 3625
NNAGCGACAGCGCTTGCCTGGAGCTCAGCGCAGAGAGTCGAATGATCTTGGATGCCTTTGCCCAG
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ACCGCGGGGAGCTCCAATTCGCCCTATA
Table1 3626
CGCGTCCGCTTGAACTTCTGACCTCAGGTGATCTGCCCACCTTGGCCTCCTAAAGTGCTGGGATT
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Table1 3627
NNNNNNGGGCCTTTGCAATCTCCACGTTGCGATGGATCCTTGGACCCACTTTTGTTAACTCTTAA
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GTGTATCAGGCAGGTTCCCCTACATCTTTGGCACCCAACACGGTCTCCTTGAACCCAGGTGAAGTTACACC
TGAGCGTGGTCGTTGTGAAGAACGGTCTGTCCAGGAACTCCCGAGAACGTGTGGTCGGCCTTGCGGTAAGC
TTGTGCACTCGGAGCATTCCAGGGACACCATGGGACAATCCAAAAGTAAACATTCTGCATATTTACATTTT
ATTAAGCTCCTCTTAAAGAGGGCAGGAATTAAGGCTAGCACAGAAAATTTGATTACTCTGTTTCCAACAGT

Table 6
612/3331

AGAGCAATATCGTCCTTGGTTTCCTGAACATGGTACCATGGACTTCAAAGATTGGAACAGGTGGGAATGGC
CTTAAAACAAGTTGTCAGGAAGGAAAATTTATCCCCCTAACAGCCTGGTCAAACTGGGCTATAGTTAAAGC
AGCCTCGGAACCGTTTCAATCGGAAAATGAGGCTTATCCTCCAGCAGAAGAATTTCTGCAGAGGAAGGTGG
GATGCTGCTGAAGAGGAAAGGACTAGGGAACGCAGCATTTGAGGGAACATCCGACCAACCTGAGATGAGTA
ATTCCTTGAGGACCCCGGGACCTTCAGCGGCTAAAAAGAAGCCTTATGCACAGAGTTAACCAGACGCCTGG
GAGCGCGGCCCAGGACACCGGGGCCCAAAAGAGAGGGCCGGGGGGCACCACGCCCCAAAATGGCCCCCACG
CGGGGGCCCAAGGCGCCGTGACCAAAGGGGAGCGCGCGAN

Table1 3629

AGATGGTGTATGAAGGAGTTGGAGTTGTTGAAACCAAGGTGTCCATGATCCCTCCCCACTGACCT
TTTCTAAGAAAATTCTTGTGCCCGCATTGGTATTAAATCCTCGCATTCAGTCNNNNNNNNNNNNNNNNNNNN
NNNNGCGGGGAGAGCCACCGTCTCTCCAGACGCGGCCCCAGCGCCCACTGGGGATGGCAAAGACGACATCC
GGTGCGCCGAGGCTGCTCACAAAATCTGCCCCCGCAGGTTGAGAGAGGAGGGGATCCAATTGCCTGTGAGG
AGGACACGGCTCCTGGGTGGACCCTGCAGATTGTGAAGTTCAAGTCACAGCTCCTGGGAAGGTCTCTGTGT
GTAAAGATCATGGGGGTGAGACAGATTCAGGGACCACACTCTGCTCTGCTCTGGACCTCGGCCGGCCGCCC
CGGCGGCCTTGTGACCAGGACACTTAGAAGAAGCATGGACCCTGCAAGAGGGTAGGTTCGGAGAGTGAGAT
GAGCACGCTTGAGGGATTAACGTGTAACTTGAACCACTGCCTCTGTCTCCCAAAGTGCTGGGATTACAGGC
CTGAGCCACCGCGCCCGGCCAGGTGCGTCCTTCTTTCTCCCTTTCCAGGGAGAATGCTCTGCTCTTCTTCC
TGCTGGATCCCTCCTCTACCTGCTTCTCTCCCACCTACTGCANNNNNNNNNN

Table1 3630

AAACAGGAAAGGTAAGTGGCCTAAAATTTTTNTAGTATTTTCAAAATGACCCAGTTACAATAGGA
AATTTNTTCTTGTACTATTGTCACTAATCCCGACTCAATATCCTTTAAAGGACAAAGATGCATGCATAAGT
AAAANTATGACAGGTCACAATCACGCCGGGGTGGTCCTGGGGCGAGGCCCAAGTTCCCTGCACGCGCCGGC
ACAAGCACACACACTGTGACGGGGAGGACGTTTACGTACCATGTCCACACCACTCCAGACTTGGTGAGCGC
CAGTAGGAACTGAGCTCCACACTCAATCTGGCACGCCCCCTGTCCATTTAGTCTCTCAATGTTCTGGGGAA
TGTTGCAGCCTTCACTTCCGCCCCGGCCCAATTTTCCAAAGTCACCATCACCCCAGGAAAATACCAAACCT
AGGTTTAAAAATAGGGAAGGGAAGGGAGAGAAGAAAGGAAAGATAAAGAAAGCCCAACCTCCTTCCAAAAT
GTCATGAGAATCTTGAGCACATATGGTCCTTGGCATGACCACATGACCTGCAGAGCCCCTGTTATAGAACT
CATTTTTATATTTTCCTTAGTATAACAGTTAATATAATATGTCATTTTTGTTAATAGTGTCTTTTTGTCAT
TTTACTTTTTAAAAGATTTTATTGAAATATACATACAGGAAAGTGCATCTATCATAAGTGTGCAAATTGAT
GAATTCTAAAATCTTTATTGTACCTGTTTAGCACCTAGATTGACACTGAACATAACTAACAACCAGAAATC
TCCGTGTACTCCCTTCCTGTAACTACCCCTGCGCCCGACCAAATCACTCTCTTCTAACAGCATAACTTTGT
GTGACTAGCTTTTTTAATGTCATTATATTTGTGGGATTCGTTTGTACAGTTGCATATTAGTTTGCAGATCC
CTCACTCTCATTTCTATATNGGATTATATTGCATAAACGTACCACACTTTATCCAACTACTGTTAAATATT
TGTGCATTTTCTACTTGGGGGTGATTTCAAATAGTGCTGCTATGAACATTCTTGTAAATGTCTTTTGGTGA
ACATATGCAACACATATATGCGTTGTTGTTGGTTCCCAGGAGGGGCATTCCTGGGTCATAAACAATGCGTG
TGTTCAGGTTTAGTACAGTATAATGCCAAACAGGTTTCCAAAGTGTTTGTGCCACTTTACATACCTGCCAT
TATTGAAAAAGAGTTCTGTTTGCTCCACATTGTCACCAATACTTGATATTTTCTGTTTTTTTTTTCTTTTA
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TTACTGTAAGCCACTTGGAAATGTGATTTAAATTCATATAAAGATATAGTAGCAAAACGCATACTACGTTA
CTTTCGTATCCAGAAAGTTTAGATAGAATGATTTCTATGTAAGCTTTTACTGTGTAGTCTGAGTCCATGAA
TATTGATTACAAAAAACACATCTGTAGGTGAGTTACAATACCTCACTTATAATTCCAAATTCATGTTGTGT
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Table1 3632

NNCCTGTATAACGGGGTGCTCAAACACCAATTTTTCTCAGGATTACTGAAAAACTTAAATATACA
GGCCAGGTGTGGTGGCTCACTGCCTGCAATCCCAACATTTTGGGAGGCTAAGGCGGGCCGATTTCTTGAGC
TCGAGTTTGAGAACAGACTGTGCAACATGACGGCTCCACGGAGCTTTGCCACTTGTACCCGAGTTTTTGAT
TCTCAACATGTCCGAGACTGCTCCTGCCGCTCCCGCTGCCGCGCCTCCTGCGGAGAAGGCCCCTGTAAAGA
AGAAGGCGGCCAAAAAGGCTGGGGGTACGCCTCGTAAGGCGTCCGGTCCCCCGGTGTCAGAGCTCATCACC
AAGGCTGTGGCCGCCTCTAAAGAGCGTAGCGGAGTTTCTCTGGCTGCTCTGAAAAAAGCGTTGGCTGCCGC
CGGCTATGATGTGGAGAAAAACAACAGCCGTATCAAACTTGGTCTCAAGAGCCTGGTGAGCAAGGGCACTC
TGGTGCAAACGAAAGGCACCGGTGCTTCTGGCTCCTTTAAACTCAACAAGAAGGCAGCCTCCGGGGAAGCC
AAGCCCAAGGTTAAAAAGGCGGGCGGAACCAAACCTAAGAAGCCAGTTGGGGCAGCCAAGAAGCCCAAGAA
GGCGGCTGGCGGCGCAACTCCGAAGAAGAGCGCTAAGAAAACACCGAAGAAAGCGAAGAAGCCGGCCGCGG
CCACTGTAACCAAGAAAGTGGCTAAGAGCCCAAAGAAGGCCAAGGTTGCGAAGCCCAAGAAAGCTGCCAAA
AGTGCTGCTAAGGCTGTGAAGCCCAAGGCCGCTAAGCCCAAGGTTGTCAAGCCTAAGAAGGCGGCGCCCAA
GAAGAAATAGGCGAACGCCTACTTCTAAAACCCAAAAGGCTCTTTTCAGAGCCACCACTGATCTCAATAAA
AGAGCTGGATAATTTTTTAAAAAAAAAAAAAAAAAAGACCTTGGGGGATTTGTTGCGGTGGGAAAAAAGGG
TAGGAAATGGCGCTGGCATATAGGTTCCGGACCCGTTTTGGAAGGGTAATTGGGGCCCAAATGGAGCGGTA
AATTCGAAGCGGTTACGTTATTTTCGTAAAGAGGAAGAAAAGAAAAAGAAAGAAAAAAAGGAAAAGAGACG
AAGAAGGAAGAAGAGGAAGAGGAACAAGAAGGAAGAAAAGAGAGAGAAGTACNNNNNNN

Table1 3633

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG

GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table1 3634

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table1 3635

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
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TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table1 3636

NNNNGGCCCTCGAGGCCACGCGGGGAGGGTAGAGTGAGAAGCACCAGCAGGCAGTAACAGCCAAC
CCTTAGCCATTGCTAAGGGCAGAGAACTGGTGGAGCCTTTCTCTTACTCCCAGGACTTCAGCACCTAAGAC
AGCTCCAAAACAAACCAGAACAGTCAGCTCCGGGGGAGCACGACTGGGCGAGAGGCACAGAAATGGACACC
AGAAATAAGGCCCAGCTCCTTGTGCTCCTGACTCTTCTCAGTGTGCTCTTCTCACAGACTTCGGCATGGCC
TCTTTACAGGGCACCTTCTGCTCTCAGGTTGGGTGACAGAATACCCTTTGAGGGAGCAAATGAACCTGATC
AAGTTTCATTAAAAGAAGACATTGACATGTTGCAAAATGCATTAGCTGAAAATGACACACCCTATTATGAT
GTATCCAGAAATGCCAGGCATGCTGATGGAGTTTTCACCAGTGACTTCAGTAAACTCTTGGGTCAACTTTC
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TCAAACGTCACTCAGATGCAGTCTTCACTGACAACTATACCCGCCTTAGAAAACAAATGGCTGTAAAGAAA
TATTTGAACTCAATTCTGAATGGAAAGAGGAGCATGAGGGAGAATCTCCCGACTTTCCAGAAGAGTTAGAA
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GCAACATAATTAAATTTTGAGTTCTACATAAGTAATTCAAGAAAACAACTTCAATATCCAAACCAAATAAA
AATATTGTGTTGTGAATGTTGTGATGTATTCTAGCTAATGTAATAACTGTGAAGTTTACATTGTAAATAGT
ATTTGAGAGTTCTAAATTTTGTCTTTAACTCATAAAAAGCCTGCAATTTCATATGCTGTATATCCTTTCTA
ACAAAAAAATATATTTAATGATAAGTAAATGCTAGGTTAATTCCAATTATATGAGACGTTTTTGGAAGAGT
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Table 6
614/3331

CAGTGTGTCTAAATTTGAATGTTAAGCAGATGGAATGCTGTGTTAAATAAACCTCAAAATGTCTAAGATAG
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GGCAACCTTTATTTTTAATGGTGTTTTAAAAAATCTCAAATTTGGATTGCTAATCACCAAAGGCTCTCTCC
TGATAGTCTTTCAGTTAAGGAGAACGACCCCTGCTTCTGACACTGAAACTTCCCTTTCTGCTTGTGTTAAG
TATGTGTAAAATGTGAAGTGAATGAAACACTCAGTTGTTCAATAATAAATATTTTTGCCATAATGACTCAG
AATATTGCTTTGGTCATATGAGCTTCCTTCTGTGAAATACATTTTGGAGACACAACTATTTTTCCAAAATA
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NNNNNNNNNNNNNNNN
Table1 3637
NACGAGTTGGTTTGGGAGCTGCCAGTCTCCTGGGAGGATCGCAGTCAGCAGAGCAGGGCTGAGGC
CTGGGGGTAGGAGCAGAGCCTGCGCATCTGGAGGCAGCATGTCCAAGAAAGGGAGTGGAGGTCAACCACAG
AGTGGTACTGCTTCCACTTCCAACATAACGGATGGACCCCTTCGAGGACACGCTGCGGCGGCTGCGTGAGG
CCTTCAACTGAGGGCGCACGCGGCCGGCCGAGTTCCGGGCTGCGCAGCTCCAGGCCTGGGCCACTTCCTTC
AAGAAAACAAGCAGCTTCTGCGCGACGTGCTGGCCCAGGACCTGCATAAGCCAGCTTTCGAGGCAGACATA
TCTGAGCTCATCCTTTGCCAGAACGAGGTTGACTACGCTCTCAAGAACCTGCAGGCCTGGATGAAGGATGA
ACCACGGTCCACGAACCTGTTCATGAAGCTGGACTCGGTCTTCATCTGGAAGGAACCCTTTGGCCTGGTCC
TCATCATCGCACCCTGGAACTACCCACTGAACCTGACCCTGGTGCTCCTGGTGGGCGCCCTCGCCGCAGGG
AATTGCGTGGTGCTGAAGCCGTCAGAAATCAGCCAGGGCACAGAGAAGGTCCTGGCTGAGGTGCTGCCCCA
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CGTGGCCAACCGCGTGGCCTGGTTCTGCTACTTCAATGCCGGCCAGACCTGCGTGGCCCCTGACTACGTCC
TGTGCAGCCCCGAGATGCAGGAGAGGCTGCTGCCCGCCCTGCAGAGCACCATCACCCGTTTCTATGGCGAC
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GGGCTGCGGCCGCGTGGCCATTGGGGGCCAGAGCAACGAGAGCGATCGCTACATCGCCCCCACGGTGCTGG
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CAGAGCGTGGACGAGGCCATCAAGTTCATCAACCGGCAGGAGAAGCCCCTGGCCCTGTACGCCTTCTCCAA
CAGCAGACAGGTTGTGAACCAGATGCTGGAGCGGACCAGCAGCGGCAGCTTTGGAGGCAATGAGGGCTTCA
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TTCACCTTCGACACCTTCTCCCACCACCGCACCTGCCTGCTCGCCCCCTCCGGCCTGGAGAAATTAAAGGA
GATCCGCTACCCACCCTATACCGACTGGAACCAGCAGCTGTTACGCTGGGGCATGGGCTCCCAGAGCTGCA
CCCTCCTGTGAGCGTCCCACCCGCCTCCAACGGGTCACACAGAGAAACCTGAGTCTAGCCATGAGGGGCTT
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CGAGAGGCCGCAGAACATGCCAGGTGTCCTCACTCACCCCACCCTCCCCAATTCCAGCCCTTTGCCCTCTC
GGTCAGGGTTGGCCAGGCCCAGTCACAGGGGCAGTGTCACCCTGGAAAATACAGTGCCCTGCCTTCTTAGG
GGCATCAGCCCTGAACGGTTGAGAGCGTGGAGCCCTCCAGGCCTTTGCTCTCCCCTCTAGGCACACGCGCA
CTTCCACCTCTGCCCCATCCCAACTGCACCAGCACTGCCTCCCCCAGGGATCCTCTCACATCCCACACTGG
TCTCTGCACCACCCCTCTGGTTCACACCGCACCCTGCACTCACCCACAGCAGCTCCATCCACTGGGAAAAC
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GACCAGACACAGGGCGTATGGAAAGCACGTCCTCAAGACTGTAGTATTCCAGATGAGCTGCAGATGCTTAC
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GATCCTTCCAAGCACTCATAGCCCAGATAGGAATCCTCTGCTCCTCCCAAATAAATTCATCTGTTCTGGAG
AGAAAAAAAAAAAAAAAAAAAAAAAAAAAAGGTCCCCCCGGCCCCTTTAAAAACAAGGGGACCCCCCGGGGG
GGGGAAATTTAATTTAACCTTTTTTAACCCCCCCCCCCCCTGGGGGGGGGCCCCGCCCCCCCTTTTTTTCCC
TTTTAAGGGGGGTAAAATCCCCCCTGGGGAAAAAAAGGGGAAAAAGGGNN
Table1 3638
NNNNNNGGGCCTTTGCAATCTCCACGTTGCGATGGATCCTTGGACCCACTTTTGTTAACTCTTAA
ACTTTGTGTCTTTGTCTTTATTTCTTTTCTCATTCCCTCGTCTCCACCGGGAAGGGGAGAGCCTGCGGGTG
GTGTATCAGGCAGGTTCCCCTACATCTTTGGCACCCAACACGGTCTCCTTGAACCCAGGTGAAGTTACACC
TGAGCGTGGTCGTTGTGAAGAACGGTCTGTCCAGGAACTCCCGAGAACGTGTGGTCGGCCTTGCGGTAAGC
TTGTGCACTCGGAGCATTCCAGGGACACCATGGGACAATCCAAAAGTAAACATTCTGCATATTTACATTTT
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GATGCTGCTGAAGAGGAAAGGACTAGGGAACGCAGCATTTGAGGGAACATCCGACCAACCTGAGATGAGTA
ATTCCTTGAGGACCCCGGGACCTTCAGCGGCTAAAAAGAAGCCTTATGCACAGAGTTAACCAGACGCCTGG
GAGCGCGGCCCAGGACACCGGGGCCCAAAAGAGAGGGCCGGGGGGCACCACGCCCCAAAATGGCCCCCACG
CGGGGGCCCAAGGCGCCGTGACCAAAGGGGAGCGCGCGAN

Table 6
615/3331

Table1 3639
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
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GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 3640
ACATGGTAAAAAGTTGTGGCAAAGATGGCTTCCATATCCGGGTGCGGCTCCACCCCTTCCACGTC
ATCCGCATCAACAAGATGTTGTCCTGTGCTGGGGCTGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNACAAGTATATTTTCCAGTTATTTACCTGTTGACCCCAGAATTTGTTAGATTTTTTAAAAAACA
ATTTCTAAATAGTTTCTGTTTGAAACTAGTTGCGTCCAGTTCAGATCAAGGTCTGCATGCTTTCTAGTCTT
TATTATTTATTGGAAAACTTCGGTACCTAATACAAAAGTTTGATTGTTTCAGTGTGTACCTGGTAAAGAAT
CAGTGACCTTTTACCTTAACATCAAAATGTAGTTTAACCAGTTAATGTATTTTTCAGTTTTCTTTCCTTAT
GTCATCTGTGAACATCTTGAGCTGTGAGCTATTAAGTGCATGTTTCCCTCAAGGCCCTCTGGTCCATTCTG
GACTAATGTTGAAAGATGGGATGGATTGGCATGGAACTGTTGGGGTGATCAGACCCAACACCGGGCTGTGG
GGGCTAAGAAGTCCAGTGGAGTCAAAGGAATGAGAAAAGACAAGTTAAGAATGCATAAGGTGGGTCCAGGG
GGCCAACGCTAGTATGGAGGCTGCAATAGACCTGAGCTCTGGAAGCCCACACTATTAGTGATCAAACAAAG
CACCAGGTGGTGAGGATGTGGGGTTTGAAAGG
Table1 3643
NNAGTGTGCGAGGGGAACAGTGTGAAAACCTGGCTAAAGGGTTTGGGTGGAGACCTTTGTGAGAG
TAGAATAGGATTGGGATTATAGGTGTCAAAGCCAGTGAGCATCTCACCCCTCCGTTCCCTTCTCTACGCCA
CCCTGTCCCTCTCCGAACCCTGCCTGGAGACACTGGATCATCATTTCTGGGACCATGTCATTCTACTTTTG
CTTGTGTTCCTTCCAGTCTGCCATGCACGGACTGATCATGGGCGGCCTGGAAGTGATCTCAATCACAGACG
ACACCCCAATCCCACACAACGGCTGCCGCCCCAAGAAGGCTCGGAAGCTGTGATGGGAAGGAGGCCN
Table1 3644
ACCATTTATATTCAGCTGTCTGCTGGGCAGGTCCAACTTGGCATTTCTTGGCTGTATCTCTGAAG
GAAAGTCATCTTAATCTCTATGAGCCTCCATTTCCTCAGCTGTAAAATGGGAAGATCTTCCTCACACTGCT
GTGAGGAAGCGGATTTTCTGACGCATATGAAGAGTGAGAACTGTCTACATCTAAGTCTTCTTTGAGAACAA
TACCAGCTGAGCGGCTATTTACATTCCAGCTTCTTTTGAGAATCTCTGAAGATGATTAAGTCATTGTCAGC
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CTTTTGAAACTGGCACAAAGGCACTGGAGAGACTGGCAGGGCCCCCTACTTGACGATCTGGCTCATCCATC
TGCACACTGACCACGCTAAGAGCTGTCTGCAGTGATGGAAACCTTCTCTAGCTGTGCTGTCCTCTATAGTG
GCACCAGCTGCCTGTGGCTACTGAGCACTTCAACTGTGGCTGCAGAGACTATGTTAAATTGTATTTAATCA
TAATTAATTTAATTGTAAACAACTACATGTGGCTAGTGGTTTCTGTACTGGGCACTGCAGGTGCACATTTC
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TTTTGGGACTACCCAAACAAACAGATCGTGTCTTTTAACATTCTTTAGGGACCCCAGGCACCACGGTGGTC
TGGCACCCATAATCTTAGTAAACACTGGCAGAGACACATGCGCTTTGGGCCAACGGCCCAAAAACACACAG
GGTTCAGGTGCCATCCATAACACACGCCTTTTACAACACTCCACCGGGGGGCTTTAACAAACAACCCTGGA
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AGAAATCAGGGCACATCACGGCCAGGGCCACGGAGGGCTCAACACCTGGTACACCCCCAGCAACCTCAGGG
GAAGGCACAGCGGGAGGACAACTCGACGAACAGGCGCTCGAAAAACAGCCCGGGGCACATGGTGGCGTGAA
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GGCATAGCAACTGGTGTGGTACCGTGTGAACGAGTCGAGTACACGAAAGCGCAAAACACCACACTGATGAA
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Table1 3645
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Table1 3646
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Table1 3647
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Table1 3649
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Table 6

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Table1 3650
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Table1 3651
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Table1 3652
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Table1 3653
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Table1 3655
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Table1 3656
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Table1 3657
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Table1 3658
NNNNGGCCCTCGAGGCCACGCGGGGAGGGTAGAGTGAGAAGCACCAGCAGGCAGTAACAGCCAAC
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NNNNNNNNNNNNNNNN
Table1 3659
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Table1 3660

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Table1 3661

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Table 6

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gacac

Table1 3662

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table1 3663

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Table 6

Table1 3664

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Table1 3665

cGCGCTCTTTTCTCGGGACGGGAGAGGCCGTGTAGCGTCGCCGTTACTCCGAGGAGATACCAGTC
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CCTCCCGACATCACTGAGGAAGAAATGAGGAAACTATTTGAGAAATATGGAAAGGCAGGCGAAGTCTTCAT
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CTGCTCGGAAAGCTCTGGACAGATGCAGTGAAGGCTCCTTCCTGCTAACCACATTTCCTCGTCCTGTGACT
GTGGAGCCCATGGACCAGTTAGATGATGAAGAGGGACTTCCAGAGAAGCTGGTTATAAAAAACCAGCAATT
TCACAAGGAACGAGAGCAGCCACCCAGATTTGCACAGCCTGGCTCCTTTGAGTATGAATATGCCATGCGCT
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GCGCCAAGAAGAACTTCGGAGGATGGAAGAGCTGCACAACCAAGAGGTGCAAAAACGAAAGCAACTGGAGC
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CAGCAGGAAGGATTCAAGGGAACCTTCCCTGATGCGagaagagcAAGGagatcggcagggtcagaaggcat
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Table 6
624/3331

gccaagagccggagtgcatgggaatacccacaaaaggacctagcacgcgccaacgaagaagcgcaagagga
caacgacaaacagagacagcgacataggccaaga
Table1 3666
NNNNNNNACGGACACACGGCAGCCGGGGGCCTGGCCAGGTACAAAATAAATTTGCTCATTGGGTT
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Table1 3667
GTCCGTGATTATGTATAAATGAACTTTGATTCAGTAAGGTCAGTTTTGTAGGTCTCAAAGTACTT
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Table1 3668
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Table1 3670
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Table 6
625/3331

Table1 3671
ACTTTCGTTCTTAATTAGGTCATGCCCGTGTGAGCCAGGAAAGGGCTGTGTTTATGGGAAGCCAG
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CTCATTGAACAAAAAAAAAAAAAAA
Table1 3672
NNNNACGCGTCCGGGCTTGGGGGACACAGAGAAATCTCAGATGATGTACAGGTTTCCAGGTTGTA
CACTAGTATTTAACCTAGACGTGAGGAAGGAGTAGGAAATTTTCTGGTGAATACAGAAGAGCAAAGAACAG
CAGGTCAGCAGGAATGACTAATGTTTTTCTATGCATGTTTAATGGAATATTCGTGTAGGATATTTTGAGTA
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Table1 3673
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Table 6
626/3331

TGTAGAAGGCAATTTATCAAACCTATTGCACTGCCATGAAAAGTGTGTATAATAATTTGCTAGCCCAAGCA
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Table1 3675

TATAGGGAGTCGACCCACGCACGCGTCCGCACCGCCGCCCAGGCAAGGCCGCCCTGCCTTGGGCG
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Table 6
627/3331

TGGAGTGTGCATTTGATATTGTCACTTCTACCACCAACAGCTTTCTGCCCACTGCTGAAATTATCTACACT
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CAGCACAATGGAATCATCTTCCAGTTTGTGGCTTTCATCAAACGAAGGCAAAGGGCTGTACCTGAAATCCT
CGCAGCTGGAGGCAGATATGACCTGCTGATTCCCCAGTTTAGAGGGCCACAAGCTCTGGGGCCAGTTCCCA
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CCNNNN
Table1 3676
NNAGCTCCCCGCGGGGGGGGGCGCCCGGGCAGGTACACAAACTATTACTTCCAGAAGAGAATTGT
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GTCAGGATCCTTGGCATCAGATGGTAGTGATAAAAACCGGATATTGGGGTGCTGCCGGTGGAGAAAAATGG
AAGAAGCCAGAGGTCAGCAAGAAGGGGAGGCTAGTAGGAGAAAGAGAGATTAAAGAGAAACCTAAGAAGGT
GAAAAAAAGAAAAGTTAGAGGGGCAGAGGAAATAAAATGTAGAAGAGATGAGAAAATATTCAACTGGATAG
CAGGAGAAGGGGAAAACTGTAAGGAGGGTGG
Table1 3677
ACATCGAGCCCTCAGGGTCCCTGACTGGTTCTCCAGCCGCCCCATAGGCTATGAGCATCCCCGTT
CCCTACACAAAGGNACCACTGGGATTTATTAAAGGTTATGCCTTGCAATGCAGTACTGTTTTCATATGTGT
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TTAATGAAATAGTTATACAAAAAAGTGTATAGAGTCAGGTGCGGTGGCTCACACCTGTAATCTCAGCACTT
TGGGAGGCCAAGGTGGGCGGATTGCTTGAGCCCAGGAGTTTAAGACCCAGCCTGGGCAATGTGGTG
Table1 3681
ACTGATATAATCTAACAAATGAAGGTGCACCTTTACTTCCTGGAACATAGACAGCCACCTAAGAT
ACATAGACATAAATCATCACTTAATTTTTTGAAGAATAAAAACTGAGATGGACATGTTTTTACAATCACAA
AAAACTAGGAAAAGGTTTAAACACATAATATTACACATAAACAAAAACAGCAATTACCTTGTATGGTTGGG
GTCCAGGTGATAATACAAAGTCATTAATTTTTTGCAAATGCAATTTATTTGCAATTGTGTCTAAAAAAAGA
GTAAATTAAATCAGATTGATGAGAGAACCTAAAAGGAACATGTTAAACTCTGAATA
Table1 3683
ACGCGGGGTCTGGCATCAGCGTTGCGGCTCGAGGCAAAGCTGGTCCTGTGCCTGCTGTCCATTGC
CGCTAAGGCCTGCTGCTGCCATTCAGGCGTGTCTCCCTCTCTCTCTCTCTTTCATGCCGCTCTCTCCACCC
CATCTTGGGACGGCCAGCTCTAAGAATTCCTGCTACGACACTGAATTCAACCAGGAGGTGATGCCACACTC
AATCAGAAACTATGCTACTGCTGAAGAGGTATATTGAGCCCTGCCTGGTTAACCTCCAGTGAGGTTATTAG
AGAATTGGGAGAGGCTCAAATCAGCATCCTGCACCTGGTTATCAAACCATTGTGAAGTCTTGATTCCTGGA
TGGCCAGAAAACTTGTCATTGGTCAAGAGCAACATTAAGATCTGCCTGTTACTCATACTGATGCTTCCTGC
CCAGCAAGTTCATCAGAGGGCGAGGATGAATTACGGTTGCCATGAATGTCCTTGTGAGGCAGTTGGGAAGC
CTTGGCTGGATTGTGAAGGATATTTGAAATGCCTTTTAGAGCCCACCAGANNN
Table1 3684
CTGCCAAAATAATTTTATTCTGTTTTCAAATTGAACAGCATATATTGTTAGAGTGAGAGTCTGTA
AATTCAGTCCTCTTCTTTGTTGGCATTCAGAAGTCTTTGTTGAAATCTGGATGAGATTCTGAATTCAGGTG
ATGTTGATTTACATAAATTGGATGTCTCTGGGACTTTCCATTTTGACAGTCGCTCTTCTACTTCAGTCTCC
TGAAGACATCTCTCCAACAGAAGTTACATAAAAATACTAATCTTCAAGGTGCTTTCTAAAATATTTTCATC
ACGTCATTAAAATCTTCTTTCACTAGGCAATGGTTCTGTCTCTATGGGGGCTGGCAGGCAGGGCAAATGAA
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TGAATGAGTAGATAACAAATATTTGGAGAGAGATTTGGAGGAACCCTGGAAGACAAGAGTAGGCTACCTGT
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AGTCAGTCAGAGAGCCTTGGGCCAGAGTTCCAGGAGCTCTGGGAGTGGCTGTCAGAAATGGCCAATTTCTT
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TTTTTTCTTAAGCAAAGCATCAAGCCTCTGATTTGCCGCTGATAAATTCTCTAAATAAGCACTTGGAACAG
AAAGGAGCTCTACCCAACTACCC
Table1 3686
NNNCGACCCACGCGTCCGGGAGGAACGGCAGGGCTGGCTGCGGAAGGGGAGGGGGGGGAGAAGGC
GATTGGATGCGGCGGCGGCGGCGGATCCCGGAGAGCCCCGGAGTGAGCGGAGTAGCGAGTCGGCAACCCGG
AGGGGTAGAAATATTTCTGTCATGGCTCATTCAAAGACTAGGACCAATGATGGAAAAATTACATATCCGCC
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GACAGTTGAAGGGGCTAGAGGATACAAAGAGCCCACAATTCAATAGGTATTTTTATTTACTTGAGAACATT
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GGCAAAGGATTCAGAATTGGCTTCTCAAAACAAGCCACTTTGGCAGTGCTACTTGGGCAGGTTTAATGATA
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CACCTGTGCACATAGATACCGAATCTATCAGTGCTCTTATTAAACAAGTGAACAAATCAATAGATGGAACA
GCAGATGATGAAGATGAGGGTGTTCCAACTGATCAAGCCATCAGAGCAGGTCTTGAACTGCTTAAGGTACT
CTCATTTACACATCCCATCTCATTTCATTCTGCTGAAACATTTGAATCATTACTGGCTTGTCTGAAAATGG
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CTCCTTGCACCTGATCAATTTGCTGCTCCTTTGAAATCTTTGGTAGCTACTTTCATTGTGAAAGATCTTCT
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TGAACAACTTAAAGATGTTAAAGAATGTCTTTGGTTTGTTCTGGAAATATTAATGGCTAAAAATGAAAATA
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GAAGATATATTAGAAAATGAAGATGAACAGAATAGTCCGCCAAAAAAGGGTAAAAGAGGCCGACCACCAAA

Table 6
629/3331

ACCTCTTGGTGGAGGTACACCAAAAGAAGAGCCAACAATGAAAACTTCTAAAAAAGGAAGCAAAAAAAAAT
CTGGACCTCCAGCACCAGAGGAGGAGGAAGAAGAAAGACAAAGTGGAAATACGGAACAGAAGTCCAAA
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CAGGGTAGCTCTCCTGTCGATGATATTCCACAGGAAGAAACAGAGGAGGAGGAAGTTTCTACAGTAAATGT
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TATATCAAAGCAGCTCAGGTGGGATCAACATACATTGGTTTTGAAATGTTTCCTTAGCTCGGTTCTCCCAA
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TCCACTTGTAAGAATGTCAGGAATTTAAGAATTTGTTTAAATTAGGCATATCTCTGCCATCACATAGTATT
ATGTCACCATAATGAACAATTGCTATTTAAATAGATAACCAATTTTCAGACACATTTTTGGATTTCTGTGA
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Table1 3688

CGACAGAGTCTCGCTCTTGTTGCCCAGGCTGGTCTCGAACTCCTGACCTCAGGTGATCTGCCCGC
CTCAGCCTCCCAAAGTGCTGAGATTACAGGCATGAGCCACTGTGCCCAGCCTGTGTGGTTTGGTTTTAGCA
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ACATTTTGTTTTCCTTCATACAGTTCACCTTGTTGGTCTAGTCTATAGAGAAACAAGAGAGCTAAGATTTT
CTGAAATGCTTTAGGAAATGTTGTGGACTGCATGACTCCCCTGTGTTATTGATGTCAGGAAATCAAGCAGA
GTGTAGATATATGTCAATCAATAACTTTAGATAGGAAACGGAGTCAGTGGAGAAGTATGAGGAGCTTAAAA
AGAACCCTAGGGCTTTAGGAAGAAAAATCAGAGCTTAGAGAATAAAATTGATACTTTGGAGCTGANNNN

Table1 3689

NNNGCCATGTTGGCCAGACTGGTCTCAAACCTCTGACCTCGTGATGACCCCCCTCGGCCTCCCAA
AGTGCTGGGATTACACCCAGCCTCTGCTGCCTTTTCATATTTCCCCATCTGCTTTATGGATCAACTCTCAA
CAGTACACTTTTTCTTTTCTTTACCTACCCTATGAGTGCAACCCAGATGTAAGAGTTAATCCTCGTCAGAG
AATCATTGCCTTAAACCTCTCAGAAATATGTAATTAGGAAATCTTATTTTAATTTTTTAAAAATTGCTTGT
ATAGTTTCAAAGAATAAGATCTGGCAAATGGCCAGATGTGGTGGCTCACACCTGTAATCAAACCAGCACTT

Table 6
630/3331

TGGGAGGCTGAGGCAGGCAGATCACCTGAGGTCAGGCGTTCAAGACCAGCCTGGCCGGCATGGTGAAGTCC
CGTCTCTACCTCTACTAAGAATGCCAAAAAAAAAAAAAAAAAAGATTGGCCGGGCGTGGTGGCGCATGCCTG
TAATCCCAGCTACTCAGGAGGCTGAGGCAGGATAATTGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCC
GAGATCATGCCACTGCACTCCAGCCTGGGCAACAGAGTGAGACTTTGTCTCAGGAAAAAAGAAAAAAAAAA
AGATCTGGCGGATGAAAATAACCAGAATGAAAATAGCTAGAAAACTCAGCAAGCAGGAAGCTCCCTTTCTC
ACCCTTTTGTTCCCTTGCCGATAGAATCAGTCACTATTAGAAAAAATGAAAGACGCTCTGTTTAAAACAAT
GATGACAGCAGTACTTAATATGTATTTCGAGGTGAACTTATATAGATTGAGAGAGGCNNNN

Table1 3690

GCAGTTTCCGTGGGTCTGTGAAGAGGTCGGCGGCCCCTGCGGGCGCCAGTCAGCTTTAAGAAAAA
GTAGGGATCACTTCTGACTGTACGCGGGGACACCTGGGAAAACTTCACAGAAAATGAGAGTTTCAGATACT
GAGAATAGAACCACTAAGAAGCAGAAAAGAGAAGATATTCTCGTGGGGGAGAACAACGGCTGGGAGGGGAG
GAAGCATGGCCAAGGCAAAGAGGTGAATACAACATGTTTAAGACCACAGAACATCTGCATAGGCTGTAAAT
TTCGTTGAATGATGGATGCAAAGATGGAAGACAGATGGATAGAGGAAAAGACAGAATCAGATACTGGATGA
GTTAGTTACCTTGCCC

Table1 3691

NATAAGACTGTAATTACTTCCCAAATAAGGAATGCCAAGTACCTTTTATTCCTAAAAGAAATTAC
TTGGCCAGGTGCAGTGGCTCACGCCTATAATCCCAATGCTTTGGGAGGCTGAGGTGGAAGCCAAGGAGTTT
CAGGCTGCAGTGAGCTATGATCACACCACTGTGTTCCAGCCTGGGAGACAAAGCAAGATCCTGTCTCTTTT
AAAACAAAAAACAAACAAACCAAAAAAAAAAACAAAAAAAAAACCTAAGAAATGTAATTAATCATTAAGTAG
CTGCAAATTGAACTGTTCTATTTTGATACTTCCTAAGAGTGTCCAGTGTAATCAGATCATTTTATAATGGG
TTATTGACCCCAGGTGTCCTTTAGAACCACCTGGAAAGCTTTACAAAAAAAAAAAAAAAAGGGTGATTTTGA
TTTAGTTGTTATGGAATAGGACCCAGGTATCAATTTTTTAAAGCTCTGCCAGGCTAATATGTAGCTAAGAT
TGAGAATCACTAAGTCAACACATTTTGATATATCAAGAAAATAAATGGAAATGGGGGTGATAATTTATATT
TGTAATTTACAAATCAAACATCTATCATACACTTACTATGTACCTAGTTTTATTCACGAATCATCCATTTC
TAAGATAAAAATTCCCATCATTTCCTCACTGCACTAAACCACCACTGTACATCTTTGCCAATGAATGACTG
TATTTTTCTATGGTCAAGATTTAAAATTCTGGGATACATTATGAAAACTGCATTAATGAAAACAACCTACT
GCTATTCATGCTCAACAGTAGCAAGCTAAACTACTGTACTTGGCTCCTTTGAGCTACCCTTATTTTAAGAA
TTATAAATAGGTGTCAACCCACACAAAGAACAGATTGTGGATTACCGTAGGGAAAAAAATAGCTTACTCAA
CTTACTAAAAGTTTCAACACCAAAAAAGATTTAACTTGGCTGAAAGTTCTGAAACAGCTGAGACACAGAAC
CAGGAAGCTATAATTTATAATGAAATGTTGATACATACTTAAAAGCTACTGCAN

Table1 3692

ACCTGCTGTCCCCTCTCTGACTAGAAAACAGTTTCCCTAGATACCTGCATAGTTAGCCCCCTGAA
CTTATTTCAATTCTCTGCTCAAATGTCATGTAAATGGTGACATCTTCCCTGACCATCTTATATAAAATAAT
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TGACATATAACATGTCTACTTGTTTATATATGTATTGTGTTTCACCAGCATTGAAATGTGACTTTCACGAG
GGTAGGGATTTTTGTCTGTTTTATTTAATACTGTATCCCCAAGAATGCCTTGCATAAATTGGGACTAACAA
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CTTCAGTCAGCCAGCAAACTGTATGGAGTGACATCTGTGTGCTGAGCTCAGAGCTCTGTGCCTGGGATAGC
ATTTTACAGAGCATGGTGGGCATGGCTGGCCAGTGCTCCTGCTTACTTCGATTTTCTGCCTTCCCACTTTT
CCTGTGCTTATTATATTCTTTCTTAGAAGACTTTTTCCCCACTGTTGAGAACAGGGCAGACTGAGAAGCCT
CCCTACTAAAACTGAGGTTGGCACCCCTCTCCTACTTCATTGTGGAATCCTGGAATGGGCTTTCTTACCCT
GTGACCCTAGCAGGTACACATGCTTGGGGTCATTGCATATCTTGCCTTCTGNNNNNNNNNNNNN

Table1 3693

NNNNNCCTGTGTGTAAAACGAACGGACCAGTAGCCTGGCGCCTACGGTCTTCCTNNNNNNNNNNN
NNNNNNNNNNNNNNNNNGCCAAAAANTGTTTGTACCTCTGGGCCATATTGCAGAACCCTGCCCTTCTTTGTT
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GCCCCTCCTAAGGTTGCTCAGGATAAATCATTTATTAAATAGGTCTGCTTATCAGGAGGGGCGTGAAGGCT
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CACGATCAGTGCCACAGAGACCCTCTCGGAAGAGGAGCAGGAAGAGCTAAGAAGAGAACTTGCAAAGGTAG
AAGAAGAAATCCAGACTCTGTCTCAAGTGTTAGCAGCAAAAGAGAAGCATCTAGCAGAGATCAAGCGGAAA
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TGCTTACAAGAAGACATCTGAAACCTTATCCCAGGCTGGACAGAAGGCCTCAGCTGCTTTTTTGTCTGTTG
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TGTGGTCTGCTACCCACTGCCAGATGCTTGCAAGCGAGGTCCAAGCCCATCTTGTCAGCATGCCATTGCCT
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GAAACACCATTATAAAAACACTTATAGTAAATGGGGACATTCACTATAATGATCTAAGAAGCTACAGATGT
CATAGTGGTTTTCCTGCTTTACAAAATTGGCTCAGATCTGGAATGCCAGTTTGACCTTGGTCTTCTATAAT

Table 6
631/3331

ATTTCCTTTTTTCCCCTCTTTGAATCTCTGTATTTTTGATTCTTAACTAAAATGGTCTCTTAATTTCCTGA
TCCTGGTCATTCACAGTGGCGTTGTTTCTTTACCCCCAGGGGAGAACTCTTACTCCACACAATTTGGGTAG
CCTGTGTGGGCTACAGGCGCATTTGGTGCGACCCCCCGGGAAAGCGGGTCCCATTAGTTGGGGCAAAACTT
TTCAACCCGGGGGGGGGCGCAATATATTAACGCGGGGGCGCGCCGGTGGTTTCCTAACTACCGCGGGGACC
AACCCGCCTGGGGACGGCCGGCGACGGAACAATTGGTGCTAN
Table1 3694
NNNCTGGCCCTTCTTAATATTTAAAAATGTATTTCCCCTTGTGGCTTTCAACCACCTGCTCAAAA
AAAGAGACTTGTTACATGAAAGTTTTCATTAAAGAGCTGAAATCAAGAATTTAGAGAGCCATTCCTAGAAA
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AAAAGCATTGGCATGAGCCAAAGAGTCTGTCTTAATGTTACTTTTGAAAATCTGCTGAGCGGCCACCATAT
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GAACATGCAAGTGTTCAGGTTGTGTCAAGAAGCTTTTCTTTCCTTCTATGATGGAATCTGTTCTTTTCTAT
CCTACTTTTTTCTCTCTTCCTCTCCTCACCACATTATACCCTGCTCTTACGCAGTAAACGTTTTAATGGCC
CGTTTATGTCTCATGCCTCCAAACAACACTGAATTTGAAACCCCCCATTTTTTCTTTTCACCACCCTGTTG
AGCAATTTTCCCAAAAAAAGGGCAGCAATTATTAAATTGAATTCAAGTAAGCCAGCCAAAGATAGGTCCTA
AATTGCTAGTCCCAGTAGAACCACCTGATCCTAAACCAGTGCGAAACAGACAGTAACAATGTCCCCAGCTG
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CAGCTAATTTTTTTTTTTTTTTTGTATTATTAGTAGAAGCCAGGTTTCACCATGTTGGCCAGGGTGGTCTC
GAACTCCTGACCTCAAGTGATCCGTCCACCTCGGCCTTGCAAATTGCTGGGATTACAGGTGTGAGCCACCG
TGCCGAGCCAGCCCCATTTTTTAAATGATGTTTTGGTTAAGAGTGGACCATGAGAATTAGCTGACAGCATC
CCCTTTCTCTCTCCCTGCCTTGGTGGGACCCTCCCTGTGTGACCTTGGTCAAGTCCTCGAACTTTTGTCCC
GTATTTAAGATGGAGCTGTTTTACCTACTTCATAAGACAGTTGCGAGGTGCCATTGATTCTTGACTGCAAA
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TGCTCAGTTATTAATCATGCAGACTAACCTGTCAACACTGGGAGATGCAACATAGCAAAAGGACAGAGAAA
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TTTCACAGCAGTATTTTTTTTCATAAGTGGCATATAAATCTCATTCAATGAAATGGGGAAATCACGTTGAG
AAGTTGGTCTGTCATCTCCCATTGAGCAAAGACTGGCAGGAGATAATAAAAATAAATATGGGCACACATGT
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ACAGTCTGCACCATTTCCAAGTCTCAGTTAATTTACAGCAACTGCTGCTTTCGGAGATGGCTGTGAAAATA
TGGAAGTTCCTCTCAAGTAGGCCAAGAAACAGTTCTAGATTTTACTAAGTTTTATTTTGTCAGGTTTTTTA
AATTTTTTCAGTGAGCGTGGTGACTGCAGAGGTTAGTGCTGTGAAAAGCTGGGCTAAATATTCTTTCTGTA
AAGTCAAACAGGATTCCATCCCCTGTGAAATAACACAAAATTTCACTCTCTAAAAGCAACAGCATGTAAAC
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ATTCCTGCGGCCGCAAGGGAN
Table1 3695
NNNNGAGTCATTTTCTTGTTCTGTCACCAAGGCTAGAGTGGAGTGGCACGATCTCAGCTCACTGC
AACCTCTGCCCCCTCGGTTCAAGCAATTCTCCTGCCTTTGCCTCCTGGGTAGCTGGGATTACAGGCGCCTG
CCACCATGGCTGCCTAATTTTTGTATTTTTGGTAAAGACAGGGTTTCACCATCTTGGCCAGTCTGGTCTTG
GACTCCTGACCTCATGATCCAGCCATGTGGCCGCCCAAAGTGTTGGGATGAGAGGCGCAAACCACCATGCC
CCGTTCTCTCCCACAATCTTTAGAGAAACATTGGCCTCAGACCTCATGGCCTATACCCTGCCAAGTAACAA
CTGTGCCTTGTTGCAGTACATAGACGAGCTTTCTTTGCCTGCCCCAACCTGAGAGGAGTGTTATCGGGGAA
CCCAGGATCTCCTCCATCTCCTATAGAAAGCAAGTTACAAAATATCAAAAAAGAAAGCCCAAATTTTCCAT
GAAGAGGTTACATATCTAGGTGTCATATTGAGCCACGAGGAACACTGGTTTGGCTATGAGAGGAAGCAAGC
CATTTGTGCACTTCTAACCCCGACTACCCGATGACAAATAGGAATTTTTAGACGCAGCAACATTCTGCCAC
ATCTGGATTCCAAGTTTTTCACTGATGGCTAAGCTGTTATATGACGCCACAAAAGGAGGGGAAAAGGAGCC
CCTCTTTTAAAAAACTAACCAAGAAATAGCCTTCAAACAGATCAAGGAAGCTTTAACCCAGACCCCAGCCT
TAAGACTATGAGACATAACTAAGTCTTTCTATATGTTCATGAACAAAAAACAATGACTATAGGGGCTCTGA
CTCAACTTATAGGATCATGGCGTCACCCAGTGGCATATTTATCCCAACAACTAGACTCCGTGGTGTTAAGA
TGGCCTCTTTGCCTTAAGGCATTAGCTGCCACCATCTTGTTAACACAAGAAGCTAGCAAATTAACTCTAGG
ACAGCAACTAACTGTCCCGGTGCCACATTCAGTCATAACTTTGATGGATCAAAGAAGGCACCATTAGTTAT
CAAACCTGAGGATGACGTCGANN
Table1 3696
NNCGCATGACTTGGTAGGTGGTCTTAACTATGGATTGGTTGGTGTTTGGCTGTTCAGGGTCAGAT
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GATCTCATTCGGTCTCGCTTTAGTAGTTGGCATGGATCTCTGGTGATCGCGCAGATCCGATCTTAGAGTTA
GCCGACATCTTGGTGCTGGTAACTTGGTGTGTGAGTTCAAATCGAAAGTCATATGGGTGTGATCCTACCTA
TGTCACGTGCAGTGTACACACAGGTCAATTCAAGGCAGTGTATAGGGAGAGACCCATAGCCCTGGGAATTG
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Table 6
632/3331

ATCTAGATTTCATCTCCAGAGATAAAGAGAACCTGTTATGTCCTTAGAATGAGAAGACCAGAGAAGACCAG
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TTTCTCAAGAGCCAGAACATGGTGAATACAGTCAAGTTCAGTGTATTTGATAATATCAATTTGGGCCCCAA
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AAGTAAAAAGGACTGTAGGAGGCCAAGACAGGTACAGGAGGCACCACACTACCCTGTTGACACAGCCTGGA
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CAATGTGAGATGATTCCTGATATGATACACTAAAAAGGGCACTGTCTCTTCTGCATGTTGCAGACAAAAAG
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ATGAGCCAGGTGTGGTAGCATGCACCCGTAGTCTCAGCTACTCAGGAGCCTGGAGGCAGGAGGATGGTTTC
AACATAGGAACATCCAAGTGCTGGAAGCTAAGAATCGGGCTATAAACN

Table1 3697

CGCGTCCGGCGGAAACATGGCGGTCGCGGCCGGGCCGGTAACGGAGAAAGTTTACGCCGACACTG
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GCTGAAGCCTTGTCTGCTCTCCTCCTTTTTGGTTTGGTTTTGGAACTGACTCCGAGGGTTGGGAGAGCGCG
TTGGTGGCGACGGCCGAGTCAGATCACTATAAACAAAATTTCCACAAGAGAAAATGTTGAAATAGGAGTTG
CGGATACATTGGATATACTGGATGAAATACAAGCGGTTAATTTTTGTAACGTGAGGGAAAAGCCCACATTG
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GGTTGCTATATGCTTAGGTCTATACGTAAGATGGGAAAAAACAGCAAATTCCTTAATTTTGGTAATTTTTA
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TGATGTAAAAGAAGAATCAACCAAATATTTGCTTCTAACATCCATAGTGTTAAGGATATTGTGCTCTCTGG
TGGAGAGAATTTCTGGTTATGTCCGTCATCGGCCCACTTTACTAACCACAGTTGAATTTCTGGAGCTTGTT
GGGTTTGCCATTGCCAGCACAACTATGTTGGTGGAGAAGTCTCTGAGTGTCATTTTGCTTGTTGTAGCTCT
GGCTATGCTGATTATTGATCTGAGAATGAAATCTTTCTTAGCTATTCCAAACTTAGTTATTTTTGCAGTTT
TGTTATTTTTTTCCTCATTGGAAACTN

Table1 3698

NNNNNATTAAGAGCTATTACAAAGTTCTTTCCTCTAAGTAAAAAACCCACTAGAAAAAGATATTT
GTAAAAATCATTGCAGGGTTACTGATACTGAATGAAGCACAGGGGTACTGGAACAGGGATAAGTTCTTGGA
TAAGGTGCCAACATACCTATAAAAGCTGATTTTTGAGTAAATTATTGATTCTAACATATGTAATGGATTTG
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CATTCTTCTGATATCAAATAAGAGGAAGGAAAATAAACTTTTTGTGTGTAGATAGAAAAACATACCTGAGG
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GGAGTTCGAGACCAGCCTGGCCAACATGGTGAAATCACGTCTCTACTAAAAATACAAAAATTATCTGGGTG
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Table1 3699

NGGGCGAATTGGAGCTCCACGCGGTGGCGGCCGGGCAGGTACGCGGGGGAGCTTGGATTTTAAGG
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CCTTAGGCAACTTAAGCCTGCCTTGTGGAGTGCCCCTGTGGGGGACTCCAGCCAGCCTGAGTGACATGATC
CAAAGAGCCCTCCTGGGTAGGAAATTGCCCCGGTGGAATCCCTCACCAGAGAAGCAGGTAGCAGGCCCTCG
CAGAGGATTAACACAGTGGCTGAACACCAGGAAGGAACTGGCACTTGGAGTCCAGACATCTAAAATTTGGT
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AGACCATCTGACCCGAATGATCCTGCAATGAGACCACATTGCCAGTGGAGATGACAACAGCACTGCTCTGG
TCACTCTGGAAGATGACCAGTCTATGCATGGTGGAAGCTTGAGAAAATAGCAAGCCCTGCTCTAGTCACAC
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Table1 3701

NNNNNNNNNNNNNCCGAGGTACTACTCGATTGTTAACGTCAAGGAGTCGCAGGTCTTCTGGTTCT
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GAGATGGCTACCGAAATCTGGGCTTTTCTTAGATCCTCTCCAAGGAAAGTTATCACTGGAAATACCCAGGG
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Table 6
633/3331

AAATTGGATCTCTAAGACAAATAAATTGATCAAACTATAATAATAATCAAACTTCTAATAATGTATAACCT
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TTCCCATGGAGGGTCATTCTCCTTTTAAAGAATGGTTAGGTAACCTTCAGCAGCCATAGGGCACTTTAGAC
ATAAAGAGACAAAGCCATCACTGACCCAGCCCAGCCACGAGAATTCCTGAGTTGGAAGAACCAGGGTGTTC
ACCTCCCACTCAACAGAGAATTCCCTTGGAAGCGGACGCGTGGGTCGAAGCTTAACCTGCCGGGCGGCCGC
CACCGCGGGGAGTTCCAANN

Table1 3702

NNNNNCCTGTGTGTAAAACGAACGGACCAGTAGCCTGGCGCCTACGGTCTTCCTNNNNNNNNNNN
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CCCAAAAGGAAATGCTGGCACCTGGGCCCAGAAGCCAGGGCCTCTAACTCCTGGGGTTGATTTCTTCAGTG
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TCCTGGTCATTCACAGTGGCGTTGTTTCTTTACCCCCAGGGGAGAACTCTTACTCCACACAATTTGGGTAG
CCTGTGTGGGCTACAGGCGCATTTGGTGCGACCCCCCGGGAAAGCGGGTCCCATTAGTTGGGGCAAAACTT
TTCAACCCGGGGGGGGGCGCAATATATTAACGCGGGGGCGCGCCGGTGGTTTCCTAACTACCGCGGGGACC
AACCCGCCTGGGGACGGCCGGCGACGGAACAATTGGTGCTAN

Table1 3703

cgaccccGCGTCCGCGGACGCGTGGGCTCCGGCGCTGACGGGTGTGGACCGCGGACGTCGCTGGG
ACAGCCCCTCCCCGCTGCTCGGCGGCGGCACCTGGCCCGGCCGCTCCTCGCTGCGCTTCGCCTCCGCCTCC
TCGGACTCGGACTCGGACTCGGGTTTATATCGCGCCTCACTTCATCCCAGTCCCGGGCGAGCAGCGTTGGG
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GATAAAGCCACTAATAAGCCAAAATGTCTGTCAATGTCAACCGCAGCGTGTCAGACCAGTTCTATCGCTAC
AAGATGCCCCGTCTGATTGCCAAGGTTGAGGGCAAAGGCAATGGAATCAAGACAGTTATAGTCAACATGGT
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AGACCCAGTTTGATGTTAAGAATGACCGTTACATTGTCAATGGATCTCATGAGGCGAATAAGCTGCAAGAC
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GTGGACACATTTGGATCACATTTATACAGTTATAAAAATAAAGGTTTGATTTTGGTCGTTCTTCAGATGTT
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Table 6
634/3331

AAACTTAATTGTAATTAATTTATTCAGCCCATTAAGAAAGTACTAAAGTTTTATCTCTGTAGTTCCTCAAA
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TCATGTACACTTGCCCCAAATTGTCTTTGAAGTCGTGTGCATTGCACGTTGGATGAGCCAGGGAAATTATT
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GCTTTAATTTTCCCCTCTTGCAGTTTGTTCTGTAATGCCTTTTACATTTGGACACATAGTTTATGCTTTTT
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caggttatcctaatagngtaa
Table1 3704
NNNGCCGGCCGCCCGGGCAGGTACGAATTTAAGCACTTACATGAGGGGGTTAAGTCAGAGTCTGT
TGAGGAGCTGAAGAAGGTGGCTGAGGAGCTGGAGGAGAAGCTAAGCATGCTCAACAATAATTATAAGATTC
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TGGAGCTTGCAGTGGGCCGGGATATCGCCACTGCACTCCAGCCTGGGTGACGGAGCGAGACTCCATCTCAA
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TCGTTGCTCATATATAGTAGACAAAGAGCCAGAAAATTAACTGAAAAGCAGTTTAGACATTGGGGGAGGCC
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Table1 3706
NNNNNNNNNNAAATCACTTTTTTTTACTGGNTCTAACGNTCTCTGTTGGGTGTTATTTCATCCC
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GCAATCTGGTGAGCAGTGGTGCAGGCGGGGAGCCAGAGAAACTTGCCAGTTATATAACTTCTCTTTGGCTT
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Table 6
635/3331

CAAATGGATTATTTAAACCAAGTTTATGAGTTGGTTTTTTTTCATTTTTCCATTTGTATTTTATTAAGAGT
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Table1 3709
NNNNNNNNAAGCTCTATTCAGNAGGGATCTAGCCTTTGCAATAATGTCGANCCTAGCCACGGAGG
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GGCATTAATAGACCCCATTTGTAAACTGAGAAATGATTCTCGTTTTAGTAATCATTCTATAAATGATACTG
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TAGTTTTATTTGCAGCCTTGCTAAGTAAAATGAGCCTTTGTATCTACTTATTAATTAAAGTGAAATTTAGC
GATAGTGAATATTAGGTGACATAAATAAAACATCCCAGACTAGTGAGTTAAN
Table1 3711
NAGAGAGAGAATGGAGTAGATGATGGGGTAATGCAGAAAGAAGATGACGAAATGGGGACATTGTT
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CCAATTAAACCGGCTCTCAAATCAGCAGAGGTGGAATTGAAGACAGGAGGAAATAATTCAAATCAGGTTTC
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Table1 3712
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TCTGATAACTTTGGAGATTgtgACAACAGAATAGAGGAAGAACCTTCAGGACTCATGGAGAGCTAAATGTT
CATGAGTATCAAGCAGGAATTAACAGGAATTAACTgcATGGACTGAACCAATCTTTTTTACTTTTTGCTCa
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TAAcaaTTtaagatac
Table1 3713
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TCAAGCGCTACC
Table1 3714
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Table 6
636/3331

GATGTTTTGATTTTTGATGAAATCAATCAAAGACAAAAACCATGCGTTACCCAATGTAGGATTAAGCTTTT
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Table1 3719
NNNNCCGAGGTACTGATTCCATGGGATATGTCAATACNCCCTCCGTGAGCTTGGACCAGGCAGGA
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Table1 3721
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Table 6

TACAAGCTCTATGATCTTAAATAATTTACTTAATGTATTTTGGTGTATTTTCCTCAAATTAATATTGGTGT
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Table1 3726
NNAGGCTATGGTGAAGTTTTGCTGGTCGACTTGGATGCCAGGTAGGCATGTCTTCAGGTTCTAGT
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TGGGTGGGCAGGTTTTTGGGCTCCTGGGCATGAAGTATGCTATGGGCAATATCAGTAGCCGTGGCAGGACA
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Table1 3727
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Table1 3730
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aaacggagatgc
Table1 3732
ggGAGTCGACCCACGCGTCCGGACGAATCGCGCcagGGAGCGCTCAGACACCTTCATCAACCTCC
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TCATCGTTGCTCGGTTTGCAGATGACCAGCTCATCATCGATTTTGATAATTTTGTTCGGTGTTTGGTTCGG
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CTCTTGGCTCTGTTTCTCAGTACTTTGAAGTTATAACTAATCTGCCTGAAGACTTCTCATGATGGGAAAAT
CAGCCAAGGACTAAGCTTCCATAGGAAATACACTTTGTATCTGGGACCTCAAAATTATGGGGAAccaTTTA
CTTAAACGGGATGATCCATAGGCTGGAAAATAATGGATACTGtgcaATTTGaGGATAGGCAGGAAGTTttc
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aca

Table1 3733

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Table1 3734

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Table1 3735

ATGTGAACGTACTTAATGTCAATAATCTGTAAACTGAAAAAGAGTGGAAATTGTAAATGTTTATA
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Table 6
639/3331

GAAAGATTAAAATTAAAGCAGTTGGATCTTTAAAAAGAAAAGAAAGAAGTGAATAATACACACCAGCTTTC
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Table1 3736

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CCGGGAGGAAGGTGGCGGGGTTTAGGTGTTGCAAACTTCAATGGTTATGCGGGGATGTTCACAGAGCAAGC
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TGCCAGGGCCCTTGGACATGGGGGCCAGCCTTTGGAAACCCCATCTAGTTGTTTTGAGAGATAGGCCACTG
GCCTTGGCCAGGGCCCTACAGTCTGGGTTAAAACTCCAACTGCCATTTTTTCTCTTTCTGACACATAGAGT
GTAAAGAGTTTTGTCAGGTCAGGTAGCCTCAGGGCTGGGGCCGACATGAGTTTTTCTTTTTAACTCATGAA
AAGCTCATTGCTGTTGGTTGTAATAGATGTAGTTTATCTAATCTACATTTTTATTGACTGTCATCTACCAA
AATATTGACTTAAATCCTGTAACTATTTGATTTCAAGCTTTAAATTGATCTGGTATTCCTTGCGGGGCTCC
AATTGCATCTAAATAGATGTGAGAGTTGAAAGACCTATAAGGGGCTTCTCTCGCTTTATGATGTCTTATTT
TTTTTTCCCTCTGGTTGATGAAATGCCAGGGTGAAAGGGATAGCCAAATGGACTAAAGCACAAGTGCCACT
CTAGTTATTCAGCAGAGTGCCCAGTAAAGGTCCACCACAATACCACCACACATCCACTCGGGGATGAACAA
GGGCTGACTGATTGATAAGCTCTTGAAAATTCTTAAGCTCACTGCATCCCTTCAGGTCTCCAAGGAATGCT
AAATCTCCTCCCTGCCATGAGAGACAAGAAGTGAACTTAGTGTTGGGAGACATAAGTTGGATGGCCCTCCG
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Table1 3737

CGGGCAGGTACAACTTAGAGTTCCTGAAGACACACAGTAACCCTGGGGCGGTGCTGTTACTGCCT
TTCGTTGCGTCCTGCATTAATCTGGCCGTGCCATGCATCTACTCCATGTTCAGGCTTGTGGAGAGGTACGA
GATGCCACGGCACGAAGTCTACGTTCTCCTGATCCGAAACATCTTTTTGAAAATATCAATCATTGGCATTC
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ATCTACCGGCTCCTTCTGATGGATTTTGTGTTCTCTTTAGTCAATTCCTTCCTGGGGGAGTTTCTGAGGAG
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TGATCTATGCACAAACTCTGGTGTGGATTGGCATCTTCTTCTGCCCCCTGCTGCCCTTTATCCAAATGATT
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GTACTGGAAAGGAGAGAGGTGGAGCAACAAGGCTTATTGCATTAGCGGGAACATGATGGCAGTCTTGACTT
GCGATCTAGACGATCAGTTCAAGAAGGTAATCCAAGGGCCTGATGACTCTTTCGGTAACCAGACATCAATC
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Table1 3740

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GGACGCGTGGGTCGA

Table1 3741

NNNNNCCGACGACGGATTCTGTGAGCTGGGGAAGACAGATACCCTTTTATTGGGGGCAGGGGGAG
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GGAAGCAAGGTTCGCCATCCACTTGTCTAAACAGATGATGATAGCAGAGGTGCTGCACACCTTCTCCCTGT
GACTTGTGAATGCCTTTCGTGCTCCCAAATAAGGAACTCCTCTCACTGCTGTCTGCTCTGAGCTGTATTTC
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CAATGGAATTTCTTCCCCTTTTCCCCCACCCTCATTTTCCTCTGGGTGATTTACAGCTTGAACATTAGGTA
CTTAGAGACAGTATGTCTGACCTACCTTTAAAAATACACATTAAGACACACACAATTTGAAGAAAAAAGAA
GCCAAAAAAAAAAAAAAAAAAGTCGACGCGGCCGCGAATTTAGNN

Table1 3744

NNNNNNNNACAGAAGCTTCTGGGTAGGGGCTGGAGAAGGGTCGGGGAGATATTTCCGTTAGGACA
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TACTGAAAGACGAGGTGCCAGGGTGGTTCCTGAAAGTGCCTGAGCCCCAACTTATCAGCACGGAGCTCATC
ATGCTGACAGAAGTCATGGAGGTTTGGCATGGCTTAGTGATCGCGGCGGGGTCCCTCTTCCTGCAGGCCTG
CTTCCTAACCGCCATCAACTACCTGCTTAGCAGGCACATGGCCCACAAGAGTGAACAGATACTGAAAGCGG
CCAGTCTCCAGGTTCCCAGGCCCAGACCTGGCCACCANNN

Table1 3745

NAGTTTTAATTACTCCTTTTAATTTGCTCTTCTTCCCTATGTTTAGGCAGAAACGAGTCTTTTTTT
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CAAGACTAAATCAAAAATTCTCAAGGACTTTTCTAAAAATTTTTTTAGCATAAACTGTTTCCTCTAACTTA
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CCAGAATGCATTCAGCAAACTCTGAACATTACTACGTGCCACATATAGGATCATAGTGCATTTCAGGTCAC
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Table1 3746
TCCGCCGCCCGACCCGAGCAGCCGGTTCCCTCCTCTCCAGGCCCCCTCCTCATTCCACCCCCGCC
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GGACCCAGCTCGCTCTCGGTCTCGCGCTGTCAGGACTGCCCGGCTCGCGCCGCCTCGCGCTCTGCCTCAGT
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Table1 3747
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CTCCTGAGACTTTTCAGCGATGGCCAAGGCGTGCATTTCTTCATCTCGAAGGACTTTCAACCATTCTTTCT
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Table 6
642/3331

CTCAGTTGCATTTTTGATCCTTCTTTGATAGCCATTCATCTTCTTGGCTAAGAGCAGTGTGTCCTGCTTGC
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TTCTGTCTGTACACTGTGAAAACNNNN
Table1 3748
NNNNNNNNNNNCGGGGTACTTCTAGCATTTCGGTTCCGCCTCCGGGGGCTTACACAGTATGGCCG
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Table1 3749
NNGTCAACTGGNAACCTCAGTAATTCAGACCCCACATCCCCGAGGTACATCACCCTGCTGAGGGA
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GGACATCCATGTGACAGAAATGGAGTCATCAGTTTATCAACCAACAAGCAGCTCCAGCACCCAGCACTTCT
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Table 6
643/3331

AGGAACAAAAGGAATATTGAGGATGCGCTCAACCAACTCTTCCGAAACAGCAGCATCAAGAGTTATTTTTC
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Table1 3750
NCGTGTCACTTTTATGATCTTTATTGTTGGTAGCCATGTGCATAGCTAAAAATGGTTTTAGTGAG
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Table1 3752
NNNCGATCCACGCGTCCGGCAAACCCAACCCGTCGGGGCCGCCGCTCCGGACCCGCAGCCGCCGC
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Table1 3753
NAGATACCCAAGGAAAGAACAGGAAAGAGGTGTATTTTTAATCCTGCCTTTTGTATTTAGTGTGC
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Table1 3754
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CGCTCTAGAACNN

Table1 3758
GACGGAGTCTCGCTCCTTCGCCCAGCCTGGAGTGCAGTGGCGTGATCTCGGCTCACTGCAAGCTC
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Table1 3761
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Table 6
645/3331

CGCGGCGCGAACGCACGAAACACCCCACACAGAGGAAGCCGCACGCAAACTGTAACCAAGCAGCGAGGACA
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Table1 3762
NATGTGCCCCATTTTCTTCATTCATTCATTTGTTGGTGGACATTTAGGTTGATTCCATAATATTG
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Table1 3763
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Table1 3767
ctccACCGCGGTGGCGGCCGAGGTACTGAGGCTGTATACAGCCACAGCCTCTCCCCATCCCTCCA
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TtctctagCAGGT
Table1 3769
NGTGGAAGGGAAGGAAGTCCCCAGAGTCATCTACTTGGCCCAGAGGTGAACGCCAATACTTAGAT
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Table 6
646/3331

GCAGCTCCTTGTTACTTTCCATACCACAGTGCAGGAAAAGCTGATGCTACCTGCTGTGGCCGATTGGGGCA
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CTGGGTACNNNNNNNNNNNN
Table1 3770
NNNNNNNNNNNNNNNNNNAAATTTAATTTCCTCAGCAAGGCCATTTTTTAACTTTCTGCAGAAAGG
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AGAGAAGTAATTTTTTCCAAATGGGGTGGAGGAAAAGTTAGAGTTAACTCTTTAAGAATGGTAGAGACAAG
T
Table1 3771
NNATGGTTTGCTTTGAAGGCCAAAAGGAACTGGTTTCTAATTCTTATTCCTCTCCTGACTAGTTT
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Table1 3772
NNCCGAGGTACGTTCCTGGAGACTGGGTGTGTCTGTAGACTAATCCTTATTCTCCAATTATTGAG
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Table1 3773
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Table 6
647/3331

GCAGTGCCTTCTTCTCCTGGTTGAGCAGGGCAATGGTCATCTATAGCTCCAGGCATCTACNANACTATCGT
TAGTGTAGATTTCCGCAGGAGCATTCATCCAGGTGAN

Table1 3774

NGCGGCCGCGGTGGTCCGGGCCGCCGTGTCTGCTTCCATAGCCAAATCTGCCGAGGCTGGAATTG
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CCCACTTACCGAGATGTTTGGCTGGAGTGGAGTGATGCAGAAAAGAAAAGGGAAGAATTAAATAAAATGGA
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AACAGCATTCTGAAAATAAGAGAGAAAACTCTGAAGATCCCGAGGAATCTTGGGAAAATTTAGTTTCGGAT
GAGGATTTTTCTGCACTGTCCTTGGAATCAGCAAATGTGGAAGATTTGGAACCTGTTAGAAACCTCTTTAG
AAAGTTGCAAAGCACACCTAAGTATCAGAAACTTCTAAAGGAAAGACAACAGCTACCTGTATTTAAACATC
GGGACTCAATTGTTGAAACTCTTAAAAGGCATCGGGTAGTGGTTGTGGCAGGTGAAACAGGGAGTGGTAAA
AGTACTCAGAATTCCTTGTGTGGATATCAGATCCGGATGGAATCTCGAGCTTGTGAATCTACCAGGTTACT
CTATTGTACAACAGGGGTTTTGCTAAGGAAACTTCAAGAAGATGGTCTTCTAAGTAATGTGTCTCATGTTA
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AAACGTTCTGATCTACACTTGATTCTAATGAGTGCCACTGTGGACAGCGAAAAATTTTCTACATATTTCAC
ACACTGCCCCATTCTCAGAATTTCAGGAAGAAGTTATCCTGTTGAGGTTTTTCATCTTGAAGATATAATAG
AAGAAACAGGCTTTGT

Table1 3775

NNNNNNNNNNNNNNNNNNNNNNNNNNANNNNNNNNNNNNNNNNNNNNNNNNNNNNNANNNGNNNNNN
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CCGGCAGTAGAAGATGGTGAAAGAAACAACTTACTACGATGTTTTGGGGGTCAAACCCAATGCTACTCAGG
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TAAATGAAGGCATGCCAATTTATCGTAGACCATATGAAAAGGGTCGCCTAATCATCGAATTTAAGGTAAAC
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TGGGCCAGTGAATAACACTCACTGCTGGCATTTAATGTGCAGTAGTGAATGAGTGAAGGACTGTAATCATA
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AGATGGCGTAATATATAATTTATCCTGTGGTATCAGTGATAAAAATGATACCTTTCTGTAGGAGGGGTTTA
TCATAATATGCTGCTTCTTGAAGGCTTGCACTTCCAGAATTGTGTTTCCTTCTGCTGTGCCATTCATATAT

Table 6
648/3331

ATATACATATATATATATAATCTTGACCAGTCCTGGTCATTTGCTCCCCTCCTTGTCTGTGGACCATGATA
AGCCCAAGTAGTGACTTCAGAGCTGGGTAACAGAAATTAAAGTGAAAAGACCTTTACGTGGAGAATTTGCA
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TGCTTAAATCTGGGTATCAGAATTTAAGCAATTCTTGAAATGTATTGTCTCCTTAATATACTAATTACAAA
GCATCTCCAAAAAAAAAAACATCGACCGAGGTGGAATGGATTCTAGGAAACATCTTAAAGCTGTGTNGTGC
CTGTGGTGGTTNTTTGTTTGGGGGTGNNNNNN
Table1 3776
ACCGGGTTAAAAAGTATTGTTAACTCTCTTTTCCGGCTGGAACCATGGAGGGTGTTGAAGAGAAG
AAGAAGGTTCCTGCTGTGCCagaAACCCTTAAGAAAAAGTGAAGGAATTTCACagaGCTGAAgATCAAGCG
CCTGAGAAATAagtttgCccAaaaGaTgcttctaaaGGCagggAggaagcTTATCTATGAAAAagcaaagC
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AACTTCTATGTATCTGCAGAACCCAAATTGGCGTTTGTCATCAGGATCGGAGGTTATCAATTGGGTGAGCC
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Table1 3777
NNNNNNAACGCTTGGATGACTTTTATTGGAATAATTACATCTGTATAACAAAGTTGAGCTTACTA
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Table1 3778
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TTAT
Table1 3779
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GTTTTCAATATTTGCATGAACCTAACAAGAAAGCGAATGTGAATTTCCTTTATTTAGTAGAACATTAACTG
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Table1 3780
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GATAGAGGAAAAGACAGAATCAGATACTGGATGAGTTAGTACCTGCCCGGGCGGCCGCT
Table1 3783
NAGACAGTAAGGAGCCAGGGGAACAGAGAGAATTGTGGGGCAGCACCGCTCCTTGGGTCCCCACT
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TGTGCAGCTCTGAGAAAAGCAAAGTCACCTCATCTGAGAGAACCAGTGCCAGGGGCTCGAACAGAAAGAGA
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GCTGTATCTCTGTCCCAAGGACTACTGCCCACGTGGGCGTGTATGTAACAGCGTTGATCCTTTTGTGGCCC
ACCCTCAGGACCCTCACCACCCATCAGAGAAGCCTGTCATTCACTGCCATAAATGTGGGGAGCCTTGCAAG
GGTGAAGTGCTTCGGGTCCAGACCAAACATTTCCACATCAAGTGTTTCACCTGCAAAGTGTGTGGCTGTGA
CCTGGCACAAGGGGGCTTCTTCATAAAGAACGGAGAGTATCTCTGCACCCTGGACTACCAGCGGATGTACG
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Table 6
649/3331

CCCAATTGCTTTGCTTGTACTATCTGCAAGCGCCCGTTTCCACCCGGAGACCGAGTCACATTCAATGGGAG
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TGGAGGCAGGTGACAAACATTACCACCCCAGCTGTGCACGATGCAGCAGATGCAACCAGATGTTCACAGAA
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GTCAAGGCAATTTATGACATTGAACGTCCAGATCTTATTACCTATGAGCCTTTCTACACTTCGGGCTATGA
TGACAAACAGGAGAGACAGAGCCTTGGAGAGTCTCCGAGGACTTTGTCTCCTACTCCATCAGCAGAAGGGT
ACCAGGATGTTCGGGATCGGATGATCCATCGGTCCACGAGCCAGGGCTCCATCAACTCCCCTGTGTACAGC
CGCCACAGCTACACTCCAACCACGTCCCGCTCTCCCCAGCATTTCCACAGACCTGGCAATGAGCCGTCCAG
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GAAGTGTTTCGGGAAATCTTTGGAATGTCCATACAGGAGTTTGACAGGTTACCTCTTTGGAGACGCAACGA
CATGAAGAAAAAAGCAAAACTCTTCTAAGTCCCACTCGTGAATGGCAATTAGAGAAAGGACTGACAGTGGC
GGTGCCCCATAGGATGTCATATTGAGGCCCAAACTTGATTGGAGAATTTGCAAACTACCGTCGCTCAGCAA
CACCAAAAAGAGAAAGTCTGGTTAAAACACCATGAGTCAAATGTCGGGCCAGCCAACAGTAACACTTGCCA
AGAAGCATGGCGTAGAAATTTCTATGTTCCGAAACACAGAGTAGTGTCCACATGTGACCTTTTCACATTAC
CTTATGTATACAACAGGAGCTGCGTTGTTTTCTTCTTTTTCTTTTCCTTTATCTGTTGTCCAACAACAGTG
CTGACTGTCCGGATAAGAGCTGGCAAGTGCCCTTAGGATGCCGCATGGGAAAAATCGGTTATCATAATTTC
AAAGTATAAATATATTTATTATGTAGCGCTGCGGCTAAGAAGGAAGAGTGAGGGGTCTGTCCATGGGGTGG
CAGTGATTTCACACCCGCCTTTCTTGAATGGCTTCGTGTTACTCAGCCGTGCCCTGGCAGGAATGGAACTC
CATCAGGGAACAGGGCAGCTCTGTTTGAATGGGGTGAAAAACAGCAAAATTAATTCTTAGCAAGCTCCTTG
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CCCAGATTGGCCCAGTGGCATGCCATTAGGTGATTTTGCGTAGGGGCCATATCATTCATGGCCAAAAAAAA
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TCGAATATGAGCCTAGGGTTTCCCCAACACGTGCGTGCATATGAAACCACATCATGATTCCCGACGTGAGT
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CTAGCCTTCCATTGCTATGCACTGAATGAGGACTACTCTCGTGTGTGTGTGTGTGTGTGTGTGTGTG
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CCTTACCTGTCAATAACAATGGTGGCCACCTGGGTCCCAGCACTTGGCTGGTGGAGAGATTTTTTTCATTA
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CCTTGGTCTACATAAAGAAGACATGGGTCTGTCATAGAATGGGGACATTAGACTGAAAACTGGGACAACCC
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Table 6
650/3331

CCAGAAAGCACCAGTAGCCTCCTATCTGCAAGCAGAGTAGTGCTCTGCTCTGGGGAGGGGTCATTGGAAAC
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GGGATTGTATATATGGCAGGCTTCCCTGGTGCCGATGTAAAGGGCTACATTTGGGAACATTTGACTTCCTT
GGGACTCTTAAGTGCATACTGATGGCATGAAGTAAAAGGGGCCTCAATGATGATAGGAAAATCAGTTCTTT
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TGACGTGTTCAATAACTTCACATAAACTTCCTGTTCTCCAAAACCTCAAAGAGATAGAGTTAATGAGTTGT
TGTTTTTTTTTAAATGGGGGTAGTTTTCTATCTGTCATGGGCTCTAGCATCTACTCCGCTACCCAATTCTG
TCATCTCCAAGCTGAGTTTCCTCTTCTGAGGCAGAGGCTGGAGCAGTTCTTTTTCAGTTCTCATCCTCTCC
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GGATTTCTTTAGACATTGAAGCAAACATTTTTTTCTAAGAATTGCTTCTCAGATGATGATATCAAATGTAT
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GCAGGTGTGTGTTGGCGCGCTAAGTGCCACATGCTTGTGTGTAGAGGAGGAGGTGGCCCTGCCGGCTCCGC
GCTGCTGTGCCTGTGATCCCTACCTGCTCCCCGCTCCTGTTGCCAGCAGCACTCACTGCACTCCTTTGTCA
TATACTCTGCATCACTGTCATACTCACAACTTCGTGAATAAAGTTGTGTGCTTTATTCGAAAAAAAAAAAA
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Table1 3785
NNCTGAAGCACGTTGGGTGAGAGAAAGAAAGAAATCACATCCTTTATCCTCCCACACAGCCAAAG
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AGTTTCAGCAATTCTGGGAAGCCAAGGACACCTCCATCTCCTCCTCCCTGATCTGCAACTCATCTAAGAGC
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CCTCTAAAGCGCTAAGT
Table1 3786
ACACTGGAGGCTGGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGG
TGACAGAGACTGCAGCTTGACTGTAGTGTCCATGTTCTCCAGAGAAGCAGAACGAGTTGGATGTATGTTTT
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CTGAAGACCTGGAAAGCTGAGGGTGTGGCTCCAGTCTGAGTCTGAAGGCCCAAGAACCAGGGGAACCAACG
GTGTAGATTCCAGGTTGAAGGCAGGAGAAGATGGATGTCCCAGCTCAGCAGGCAggCAggAAGCAAATgag
g
Table1 3787
CAAGGGTGTCGCCCCGCGTCCGCACTGGACTTGTAAACGAAAAGCTTCATAAGTCCCTCTTTGCT
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Table 6
651/3331

AGTAGGCCGAGCAGCTTTAGTCTTAGGGGGTCCAAAGTTTGCCTCAAAGACCCCTCGGCCGGTGACTGAAC
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TTACTGGATGGAACATGATGGAGGCTCATTTTTAATGTCCAAAGTGGACCAAGATCTCATTATGACTCAGA
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TACTCTTTTCAGTTGTGGATCGCAATGATGTCAGCAAAGGGACATGATGGGAAGGAACCTGTGAAATTTGT
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CAAAAGTTTAAGGCAGTGGAAGAAAGCCTGCGTAAAGAGCTGGTGGATATGCTAGGTGATGATGGTGTGTT
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CCTTTAGGCATCCAGGTTGTGGCTGGACCCTTTAATGATCATCTGACCCTGGCTGTGGCCCAGTACTTGGA
GAAAACTTTTGGGGGCTGGGTCTGTCCAGGAAAGTTTTAGGAGGACCTTCTGCAAGGTTAATGTGTGTGTG
TGTTTGTGTTCGTGTGGTGGTGTTTCTATTAATTGGGTGAAACCAAGCACCAGCAGACAAGCAGAGAAACA
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AAGTTTCCTAAATGCTTGAAAANNNNNNNNNNNNNNN
Table1 3788
NNACCCACGCGTCCGGCTCCTGAACGGCAGGCATTCTCTTTCCTTTTCCTTCTCTCCTGAGCGCT
CCTGCAGTTCCTGGGGCGTAGTAGGGGATCCACAAGCGTTTGTGACCAGTGAAGTTCTTTACAAGGGTGAG
ATCTGCACGGGAGGACCCGAGCGAGGGTCTCGGCTTGCCAGGAAGCCGGGGTTCCCCGGGAAGCGTGGAGT
TCACCCGCGCACTCGAAGTGCCTTTGCAAAATTATATCTGGGTGTTGGCACCCAGCCACTATTCTGCCAAT
GAAGTACATCCTGGTCACGGGTGGGGTCATCTCAGGCATTGGTAAAGGGATCATTGCCAGCAGCATTGGAA
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AGCTCAGAGACTGCTACGCCTCTGTGTTCAAAGCCCTGGAACACTCAGCCCTGGCCATCAACCACAAGTTG
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TGCCCCAGTTCCTCTGGTGATTGATATGCCCGAGCACAACCCTGGCAATTTGGGAGGAACAATGAGACTGG
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GAAGAAAGACACAGACATCGGTTCGAGGTAAACCCTAACCTGATCAAACAATTTGAGCAGAATGACTTAAG
TTTTGTAGGTCAGGATGTTGATGGAGACAGGATGGAAATCATTGAACTGGCAAATCATCCTTATTTTGTTG
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GCAGCAACTGGGAACCTGAATGCCTACTTGCAACAGGGTTGCAAACTGTCTTCCAGTGATAGATACAGTGA
TGCCAGTGATGACAGCTTTTCAGAGCCAAGGATAGCTGAGTTGGAAATAAGCTGAAATGAATACATGACTG
GGAATAATGGGGACTGCCTGTGAGGCCTCTGAAATAATTGAAGGCAAGATGAAGGAACTATCTGAAGAAAT
CACTACACTCTTAGAGAATCCCTCTGTTCTCCAGCAAACATGGGATGTAAAGCCTCACAGGGAATCTGATA
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CGGATCAGGATGTTAGGATGACGAGCAAGAGTCCAGGTCACTGTGCCTTTGCTGTGTTGTATGGAAAGGAT
GGCAGGGAACATGCTGTAAGTAATTTTGAGTAAGAAAATGAGTCACTGTGTTACCTGGAACTCAGCCACAG
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Table 6
652/3331

GAATCAAGATCAGCAATACAGTCTGAGTATCCCTTATGTGAAATGTTGGGGCTAGAAGTGTTTGAATTTCA
GATTTGGAATATTTGCATATACATGCGATATCTTGGGGATGAGAATCAAGACTAAACATGAAATTCATTTA
TGCTTCATATACACTTATATACATAGCCTAAAGGTAATTGATACCATATTTTAAATAATTTGTGCATGAAA
CAAGTTTCGAATGATTTGACTGTGATTCTGGCATGAATCAGTATGAATTCCACTTTAGCGTATGTGGTCAG
AATTTGAATTGGGCTTGATTCGATAGGATGAACTGTTTTTTTAACAGGGATTCGTATAATACCTTGAGGAC
ATGGGGTCGGTGTGGGACCCTTATTCAATTTCCCAAAGGTAAGAGATTATCCTGGGGAACTTTGGTTGTAT
AAAACGTGTGGCAGGGGCCCCATCCGNN

Table1 3789

GTCCCCCAGGTTCATGCTTTAAATATCCTTAGAGCATTGTTCAGGGATACGCGCCTGGGAGAAAA
TATTATTCCTTATGTTGCTGATGGAGCTAAGGCTGCAATTCTGGGTTTTACATCACCGGTCTGGGCAGTGC
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CATTCCAAAACAAATAGAATGACAGGGAGAGAGTTTTTCTCTCGTTTCCCAGAACTCTATCCTTTTCTTCT
CAAACAGTTGGAAACTGTAGCCAATACAGTAGACAGTGATATGGGAGAACCAAATCGTCATCCAAGCATGT
TTCTCTTACTTTTGGTGTTGGAGAGACTCTACGCTTCCCCGATGGATGGTACTTCTTCTGCTCTCAGCATG
GGACCTTTTGTTCCCTTCATTATGAGGTGTGGTCACTCACCTGTCTACCACTCCCGTGAAATGGCAGCTCG
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CAAAGCCAAACTCTGGCTGGCCAAGAGGCAAAATCCATGTTTGGTGACCAGAGCTGTATATATTGATATTC
TCTTCCTATTGACTTGCTGCCTCAACAGATCTGCAAAGGACAACCAGCCAGTTCTGGAGAGTCTTGGCTTC
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TCACTAACACTGGAAGCCCTCTTGGAAAAGTTCTTAGCAGCAGCCTCTGGACTTGGAGAGAAGGGCGTGCC
ACCCTTGCTGTGCAACATGGGAGAGAAGTTCTTATTGTTGGCCATGAAGGAAAATCACCCAGAATGCTTCT
GCAAGATACTGAAAATTCTCCACTGCATGGACCCTGGTGAGTGGCTTCCCCAGACGGAGCACTGTGTCCAT
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AGCTCTGAGACTTGCTTCCAAAGTCATTTCCCACCACATGCAGACATGTGTGGAGAACAGGGAATTGATAG
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GCAGGATACACTTGCTCTCTGGAAGTGTGTCCTTACCCTTCTGCAGAGTGAGGAGCAAGCTGTTAGAGATG
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CAGGTGGATGCCTCCATCGCTCTGGCCCTGGCCCTGGCCGTCCTGTGTGATCTGCTCCAGCAGTGGGACCA
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TGAGATGCTCTGTCACCTTCAAAGGATGGTGTCAGAGCAGTGCCACCTCCTGTCTCAGTTCTTCAGAGAGC
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CTCTTATGCAGAATCGAGGCAGTTAACTCTTCCAAGAACAGAAGCGGCATGTTGAAGAAAATCTGGGGGAT
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Table1 3792

NNNNNNNNCAGGTACATATTTTTTAAAACTGGTTAGCGATAGCTACATGACCCAATTATATTTTC
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GAACAAATTTCCAGAGAGAAGTGAAAAATATCAAAAATTAAAATCCTAAACTTGAAGACAAGTTGAGAGAC
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TGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACGAGGCCAGGAGATCAAGACCATCCTGGCTA
ACACAGTGAAACCCTGTTTC

Table1 3793

CGTCCGCTCTCATTAAGAAAATTTTTCCCCACAATTGTCTGATGTATGAGTCCTCTCAGAAGCAC
AAGTGCATACTAGGAAGGCTTTGTAAACTGGTTTTGTAGGCAGGCTGTACCTGCAAATAGGCATTCTGAGC
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GTGAAAAGCTACAAGGTTCACAGGGCCAAATATTCTCCCTTTTGTTCTCTAAACATGTTGCACACATAAAC
TCAAGGGAGTGATTTCGGTTCCTAAGTCCTAGGGAGTTCTATTCCATTTATTCTGATGTCCCTTTTAAGGA
GGAGTTGGTGTTGAAGTGTGACATGCTTTAATGATAACTGCTTTGGCAATTCCCCAGACAGGTATACTTCT
TCATCCAAAATTGCACCTAAGGTGTTCATTTAGACAAAATTGTTCGCTTAGTGATCCACTGATCTCTAATC
AGAAATATTTTTAAAAAATACAATTTAGATCTCTGAAAATTGGAACCACTCAAGAGTATCATCTTGATAGT
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GATAGCTCGATTGGGCATCCAGAGTGGAAAAGGATTATTATTGTACATAATAGCAGTTCTGGCTGGAATTC
CAATCCACTTTCTGGGGATCATTTTGATGTTGAATGTTCCCCCAAAGCATTCTGACAAGTTTGGTCCACTT
GGCTCTTTACCCCGGGTAATAAGACCCTTATTGACTTTGAAAAACTGGCATAAATGAGCTTAAGGAAATCC
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Table 6
653/3331

GTATCTGCTGACACTGAAGTGTATTGAGATGTTGTTCTTTAGTTTAAGTATGTAACAAAGTAATATTCAAA
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TGTTACTAACTGAAAGTTGCTGTCAACCTTAGCAAACAAACCAGCTAACACCATTACAGCACTGGTTAAGT
AGATTTTTACTGGCACTGGCTGGCGTTCAGCTGAGGAAGGCTAGGATACAGACTTTAATGACCAAGAGCCA
GACTAGCTCGAGCTAGAAATCAGCAACAAATACCTCCTTGTGCTATTTGAATGCTAAGGTATTAGTTGCAA
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NNNNNNN
Table1 3794
NNNNNAGACCTGGAAGTCAAGCGACCCACGCGTCCGGTTTAGTCTGCAGCCGAGCAGCTAAAGGG
AGAAAGAATCGCTCAGGAAAGACACACTGCAGACTCCACCGGCACCCTGCAATAGATGGGTTCCGACTACA
CAAGGGAGAAAACGCGGAGGTGACACTCTCCTGCCTGGAAAGAGGACGAACGACCAAACAAACGCAAGGAC
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AGTTGAGGCAATTGCTTTGCTGTTTTAACTTGCTCTGTGAGGGAAATCTCATAAACTGACCAATGCACCAA
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CAAGAATTTGAAATACAGGATTTATGAGGAACAGAGGGTTGGATCAGTAATTGCAAGACTATCAGAGGATG
TGGCTGATGTTTTATTGAAGCTTCCTAATCCTTCTACTGTTCGATTTCGAGCCATGCAGAGGGGAAATTCT
CCTCTACTTGTAGTAAACGAGGATAATGGGGAAATCAGCATAGGGGCTACAATTGACCGTGAACAACTGTG
CCAGAAAAACTTGAACTGTTCCATAGAGTTTGATGTGATCACTCTACCCACAGAGCATCTGCAGCTTTTCC
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ATATCTGAGAGTGCAGCAGTTGGGACTCGCATTCCCCTGGACAGTGCATTTGATCCAGATGTTGGGGAAAA
TTCCCTCCACACATACTCGCTCTCTGCCAATGATTTTTTTAATATCGAGGTTCGGACCAGGACTGATGGAG
CCAAGTATGCAGAACTCATAGTGGTCAGAGAGTTAGATCGGGAGCTGAAGTCAAGCTACGAGCTTCAGCTC
ACTGCCTCAGACATGGGAGTACCTCAGAGGTCTGGCTCATCCATACTAAAAATAAGCATTTCAGACTCCAA
TGACAACAGCCCTGCTTTTGAGCAGCAATCTTATATAATACAACTCTTAGAAAACTCCCCGGTTGGCACTT
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CAGCCCATTGCAAAATTATAATTAAGGTTGTGGATGTTAATGACAATAAACCTGAAATTAACATCAACCTC
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CTCTGACCAGTGCTGGATGCCACCACTGCCCTCACCGTCTTCTGATTATAGGAGTAACATGTTCATTCCAG
GGGAAGAATTCCCAACGCAACCCCAGCAGCAGCATCCACATCAGAGTCTTGAGGATGACGCTCAGCCTGCA

Table 6
654/3331

GATTCCGGTGAAAAGAAGAAGAGTTTTTCCACCTTTGGAAAGGACTCCCCAAACGATGAGGACACTGGGGA
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CCTATTCTGAATGCAGTGAGGTGGATCGGTCCAACTCCCTGGAGCGCAGGAAGGGACCCTTGCCAGCCAAA
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TGGGCCGCCACTTGGAACTCACTCCAGTGTGCAGCCTTCTTCAAAATGGCTGCCAGCCATGGAGGAGATCC
CTGAAAATTATGAGGAAGATGATTTTGACAATGTGCTCAACCACCTCAATGATGGGAAACACGAACTCATG
GATGCCAGTGAACTGGTGGCAGAGATTAACAAACTGCTTCAAGATGTCCGCCAGAGCTAGGAGATTTTAGC
GAAGCATTTTTGTTTCCATGTATATGGAAATAGGGAACAACAACAACAAAAAACCCTGAAAGAACTGG
CATTGCCAAATAGTTGCATTTATCATAAATGTGTCTGTGTATATTGAATATTAAATACTGTATTTTCGTAT
GTACACAATGCAAGTGTGATTATTTTAATCTGTATTTTAAAAATACATTTGTACCTTATATTTATGTGTAA
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CTGTTCAAATCTGATACACTATTCAACCACAAAGTGTAAAGGCACTGCTTAGATTAGTTTTGTTGGGGAAG
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ATAAGAACATTTATAAAATCATATTTTTGTTACTGCAATTGTTTTATTTGTTGTGTGGCAAATGAGAAATC
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CATTTCTGACCAAGCTTCTATTAATGTTATTTCTAATAATACACTATCTTGATTGTACTCTCCAGAAAATT
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ANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGGGGGGGGGGGCCCTTTTTTTTTTAAAAAAAAAA
CCCCCCCCCCCCCCCCCCGAGAGGGGAAAAAAAAAAAAAACCCCCNNNNNNN

Table1 3795

ACATATATCCACCATTTCTGGTGCTCTTCATTTCATCCTGTGGATTCAGGTTACCATCGGGGTGT
CATTTATTTTCGGTGTGAAGGATTTAGTATCTCTTGTAAGGCAGACGTCCATAGGCAACAAATTGTCTTAG
TATTTGTCTGGGAATGTCTTTAATTTCACTTTTTTTCCAACTTTCAACAAAAGCTTCATATCCTGGTGATG
TCTTTGTTATAAGGAAAAAAAAAAATCCCTAAATCCAGCCTTCAAATTGAAGTAACTATCTTTAATGTGAG
AGCAATCCTATTCACAAAGCCCCTCCCCAGAGTCAATCAAGGGTTTGGGGACCACATCTCATCATTTTTCC
AGTTCTCTTGTAAGCCAAGTTTTCACCCCCAGGAGACTAACAAATGTGCTGACCCAAAGGCAACAGAGATC
ACCTGTAGACAGGTCCATCATGCCCCAATGGAAGACCCACACCCCTAAGCATGTGGAGAAAAGCCCCCAGG
CACAGAGACACACCTGCAGACAGGAGGGCACTCCCCGAACACGCTATAATATTGTAACTTGCACTAGGCAG
GGTTAGAAAACTTCTAAAGACTCTTGTAACTCAAAGGTTCTAGTTGCCATCTACAGCAACTACATATGGCA
TGACTCATTCCAACGTATACACTTTATTTTAAAAATGTAATTTATTTGCACTGCTTCCATTCTTCTACTGT
AGTGTTAGGACTTAACATAAGCATCACTCTTCTATTTCCTATTTACATTCCTTTTGGAATATTACCACCAA
TTCCATTTTCCANNNNNNNNNNN

Table1 3797

GGCAGGTACAACAGGCTTCAGATGTTACTATAGATAATCACAAGGAACACTGCGCTTGGGGCATG
ACTGCCCTCAGCAACCCTTCTGGCGGCAGACACAGTTGTTAGTTTTCCAACATCCTGCTTTCATGAGAACA
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TTTGGTGGTCCAGCTGATTTTGCAGACTTATATCAGCTGTCAGCAGACTCGTCGCAGGGTTTCTCATTCTC
GTTCTTCTTGTCAGTGTCAGTTTCTCTGCTCCAGCAGACCTTCACTCACGTCCCTGTCCTAGGTGCCAGTT
GTCGCTGTTGGTTGTTATGGGAGTGAACGAAGGGGGATGAATGCAGAAACGAAGACAAAGACAAAAAGTAT
TTTTGGAAGAAGGGGTCAGGGGGCTCCTTCTAGTGAGCAAGGGCCCCCGCGTACCTGCCCGGGCGGCCGCT
CN

Table1 3798

ACGCGGGGAGAGGAAAGAAAACAAGAGGTGAGTGAGGCAACTGAAAACTGTTCTTGGACCTGCGG
TGCTATAGAGCAGGGTGACCCTAAGAATGACTCCTGGATCTTTGCCCTGGCTGTGCTCCTGTGCAGCACCT
TTGTCTACAACAGCATGAGCACCATCAACCACCAGGCCCTGGAGCAGCTGCATTATGTGACGGAGCTCACA
GAACTAATTAAGGCAAAGTCCTCCCCAAGGCCTGATGGAGTAGAAGATTCCACAGAGTTTGTGAGTTTCTT
CCCAGACTTTCTTTGGACAGTACCTCGGCCGCTCTAGAACTAGC

Table1 3803

NNNCGAATTGGAGCTCACCGCGGTGGCGGCCGAGGTACTTCTTTTTTTTTTTTTTAGATAGCCAGT
GTGTAGACTTTATTACATAGGCACATATTAAAAAAAAAAAACATAAACTGGTTTTACATAAAATTAACCAC
AATAGTGCAAGAGGTTACACTGAATGAGAATGGATGATGAATGATGGAAAATGTAAGGCTTGGAACAGCTG
AATCATTCACTGGATCTTGGGTTCATCCATCCTGACGCACTGAAATTTATTACAGACATTACAAGAATGGA
GGGTGAGGAATGGTGCTTCTCTGTCATCGCCTGGCTAAAACACTGATTTTGATTAATCTCTTGAATACGGT
AGTTTTCTCCAGGTTCTCTTGTTAAGTAGACATAAAAGTTAAATGAATGCTGGCTTAAGGTCAGAGGAGTT

Table 6
655/3331

CATATCCTTCTCTTCCCTCACCCCTATACTTTAGAACTCTCACACCCAACAATTTGCTGTTGGGACCTGAC
TATACATCTGCTTTCCCACAATGCTCTGGTAGAATACCACTGGGGTTGCTGATCCAAAGCACATGGAGGCG
CAACAGTGCTTAAGGCTTCAGTCATGGTGTGGGGCTAGACAGCATCCCCAACTAGAATTGAGGGTTTGATC
TGTGGGGTAACACGAGCAAGCAGGAAGAGGATGCTGGAATTCCTTACTCTGTCCAGTTGGAATCAATCCAA
CACATCTGACTACCACAAATACAACCAGAAAAGAAACTAAAATTACACACTCAAACATACCATGAAAGAGA
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GATACAGAGGGGACTGTCCCTTTTCTCTCATCTGGTTTTGCCATAACTTACAAATAGTCCCAGGATGTTTA
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CCTATCATCCCCAGTACTTGGAGGGTTAGACCTACTTCTGTGTCAGGTAGCACCCAAATCCTAACATCTAT
TTTGGAGACCTGTCTGTGCCTCTTCATGCTCACACCATTGTTCTGATAGATGATGCCAGTGGAACTTCCAA
AGAAGCATTCCACCTGATCTTCACCACCCTCTTTGATCCTCTTTTTAAATCTGTGTGTGGAAGGCAACTGC
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AGAGATGTGAAAAGGAAAAAGATGGACCAGGTGATTTTTCCAATCTTCAAAATTTAAATTTCTTGGTTCTT
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GGAAAACAGCAACTTACTTAACATAGTGATTGTCTCCATGGCTATGTCCTGTAAAGATTCACAGAAACCCC
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TGTCTAGCCTTTCCTCCCTTTAGGGAAGCTGGCTGCTAACACAGCACCTGACCAGAGTAGACATTTGATAA
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TCTTACTTTTAACTTTAAGAGATGGCTTCTAGTTCAAGTATTTTGAGGCTTGGTACCCCGGCCGCGACCAC
GCCCAGGGTGAATTGCGGTTGTTTCTCCTCACAGGAAACACCGTATGGCCCTGATTACTGGCCGTCGTTTT
ACACACAGGAAACAGCNN
Table1 3806
cggaagtcttCTAGAATTAATTAACGCGGGGGCGCAGCTCTTAGTCGCGGGCTGACTGGTGTTTA
TCCGTCACTCGCCGAGGTTCCTTGGGTCATGGTGCCAGCCTGACTGAGAAGAGGACGCTCCCGGGAGACGA
ATGAGGAACCACCTCCTCCTACTGTTCAAGTACAGGGGCCTGGTCCGCAAAGGGAAGAAAAGCAAAAGACG
AAAATGGCTAAATTCGTGATCCGCCCAGCCACTGCCGCCGACTGCAGTGACATACTGCGGCTGATCAAGGA
GCTGGCTAAATATGAATACATGGAAGAACAAGTAATCTTAACTGAAAAAGATCTGCTAGAAGATGGTTTTG
GAGAGCACCCCTTTTACCACTGCCTGGTTGCAGAAGTGCCGAAAGAGCACTGGACTCCGGAAGGTAACCCC
TCGCCCTTTCCAGAAGCCAGAGAGACCAAGTGTTATGTAAGAAGTAGTGTCGGCTGTGTAGAACCACTGAC
TACACAGGCCGAAGTTACTGAGAACTTGGACAGAAAAAATAGCCAGCAAGTGTTCAAACTACTGAGGAAAA
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TGGAATAGTAGACACCAGTTAAGAGGGTGTCAGATGCCTTTTTTTTTTTTTTTTTTGGCTGGTCCCTGTTG
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TGTTTCTGGGCAATGCTGCTTCTTCTGACTCAACAAATGGGGAGAGCAAATTGAAAATGCGTAAATTGGAA
GGCAAGTTCTGAAATTAAACGTTGTACTTtggCctGATGTTCtGACCTTtaaggaaGCAaGAGTTtgtaaa
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GTTCTCGCTTCCTGAGTGTGAGCTCCAGCAGACTGCAGAGTGGCCAGTCCACAGTTGTAGCCTGACTTCAG
TGAGTTCTGATGTGTGCTTTTTGCAAATACATGTTCTCAGAACAGTGAGATCATCCAGCAGTGGCCTGGAC
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TCTGAAGAGAGTTCAGAGTTATAAATGCTTACAATGACTTTTTAAATTGTACTCTTTCTTTTTAGGCTTTG
GCATAGGATCAGAAATTCTGAAGAATCTAAGCCAGGTATGTCTTAGTTTTTGGTTTCCAAATTTGTAAGTT
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TGAACCATCCATCAACTTCTATAAAAGAAGAGGTGCTTCTGATCTGTCCAGTGAAGAGGGTTGGAGACTGT
TCAAGATCGACAAGGAGTACTTGCTAAAAATGGCAACAGAGGAGTGAGGAGTGCTGCTGTAGATGACAACC
TCCATTCTATTTTAGAATAAATTCCCAACTTCTCTTGCTTTCTATGCTGTTTGTAGTGAAATAATAGAATG
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AGAGTTTCTGTTTGATTCTTTTTTAATAAACTACTCTTTGATTTAATTGTTTGGTGTAAGCATTTTTACTA
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cttccga

Table 6
656/3331

Table1 3810
NACACCACCTGAGTCAAAAGTAACCTCTTTGCCATTGTAGCATACAGCAGTTGATGGGAGCTTCA
CAGAAGTTCTTGAAATCCACAGTCCTTGCCTGGCACACTTCAGTGCTGCAGGCTGACATTATCGATGGCAG
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CTTCTGTTTTACTAATTGAACCCTGACTTACTACATTTATAATGTTTCTCTCTGCTCATGTAGTCTTTGAT
GAGTCAGAAGGTCCTTTCCACGCTCACAGTGTGTGTACTGTGTCTCATCTATATGCACTCTCTGATGGGCA
AGGAGGTATGAATTACGACTGAAGCCCTTACCACATGCCTTACACTTATAGGGCCTCTCTCTTGTGTGGAC
TCTGAGGTGAACATTAAGATCTGAATTCCGGCTGAAGCCTTTACCACACTCATCACATTTATATGGTTTCT
CTCTGATGTGATCTCTTTGATGTAAGTGAAAATATGAACTGTAACTGAAGCACTTTCCACACACTTCACAT
TTATATGGTTTTTCTCCAGTGTGAACTCTCTGATGAGTGTGAAGAACAGAGCTATACGCAAAATCCTTTCC
ACACACATTGCATTTGTAGGGTTTCTCCCCTG
Table1 3812
NNNNAAAGGATCCCGGGTATCCCCTTAGCGAGACAGGACCTGTATTTACCTGCCGACTAACTGGG
GCTTGAATGGCAAGCTATGACTGTTCCTTCAAAATTTTTGAGTGGCTTTTTGAAATTAAAAGCCTTCTAAA
AGTTGCATCAACATCCTCCTAAGCCCCCAGAGGATTGTAACACCACCACAAAAGGCCACCAACACTTTTTA
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CACTTACAGGTAGAGAAGCTTACTGTCTACTGGTGTGGACACTCTTGCTATTTTCTTTATACTTAATTTGC
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GGCTGGCAACGCCACACACGTGGTTCCATGTGAGGACAGACTTCGGCAGTGACATCCCCTCCCAATGTATC
CAGGTAACCCCGGTACCCGGTCAACAGAGGGGGACAAATTCTCCAGGGCACAATACGTTTACAGCTGCCTT
TCCTTCACATACTTTTCTAATTCAGAACTACTCACAATTCTAAGCAAATTCCCATTCACGAAGTCTGTCCA
TAATGCGACCTTCTCTTTTTTTAACATATACATCTTAAAAAACAAATATATAAAAAATTCTTATTTTGCTG
GAATGCTTTCAATTTTTCACATTTTACATGATCATCACATTTATTTCTTATATTGAAAGGCATGGTTTCTG
TTGACCATGTCGTGCAAAGCCCCAAAAAAAAAAAAAAAAAAGGGCCTCTGGATTGCTTTTCAATTGGTCTAA
CACTTTTCCTTGTCTAGGCTTTGGATTTTAAAGTTCATGACAGCCCCACCACCAGTAGAAACCCCAAGGCT
TGCATTTCCTGGTAATCGACTGGAAACGTCCCCTGTTGGCCATGCTAAGATTCCTTCAACAGGGTCATCCT
GCATTTATTCTCCTTCTGCCCCACCCCCACAATGAAACAAGATAGCCCCCATATTTCTAAATGTATCAAGG
GATACCACTTTTTCTCACAAGTTTAAATAGGACAAGCATATATACTCACTCTCAGCATAAAGTATATCTAA
ATAATGTATTTTCTATTCTAGTGGATTTTTAAAAAAATATTTTGTTAAAGTCTTTGGGACTCCATCTTGTT
TATCTCCCACAGATAAACACATGTTCCCCCTACGCTTTAGGCTGTGTCAGAAAGGGAAAGAATATAAAATC
AACACTTGAATTTTTTTACTCCAAACTTTGGAATTTTATTTCCAAATTTCCCTTTAGCCCTCCCAAGTAGT
GCTGACTGACTCTCCTGGTGACAGGGGTTTGTGTCCGAGCCCCTGCGGTCAAGGAGTGTGGAGCAAAACGT
GGGTACTAGGGTGGGAGGCGGGGAAAGGCCACAGCACACTGGCGNN
Table1 3813
TCGACCCACGCGTCCGCTCACAGCCCAGCCCCCTCCAGAGCCCTGCCCCACCGCACCCTGCTTCT
CCAGGGCCTAGCAGACCAGCATCTGCCCCGGTGAAGGGATGGATCAGCTGTGGGGGTGGGTGCAGAAGGTT
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TTCTGGAAGGGATTTAGACGGGGCTGAGTGCTAGGATTAAAGTGGGGATGGGAGTACGGCAACAGAAAAAC
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CCAGTGCCTTCCTGTCCCTGCCAAGGGTGAGGCCAGAGTTGGCCCCGAGGCTAATGTTTCAGTGGGTGAGA
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CTTATGGCCCTGTGCCAGGGACCTTGGCCCAAGCTGCTGACCTCCAGGGTGGGGAGGGAGCTACCCCCAGG
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TACTTGATCTATTATGACTCTTTCACGTAGACCCCTTAGAGTTGTAAGCCCTTCAAAGGGCTAGGAATTTC
TTTTTCGGGGAGCTCGGCTCTTAAGATGCGAGTCTGCTGATGCTCCCGGCCGAATAAAAAACCTCTTCCTT
CTTAAAAAAAAAATTGGTGCGGCCGCAAGCTTATTC
Table1 3817
NGGCCCCCAGCACCGGAGCCAAGGCCAACCCAGAGCACGCCCCTGGCCAGACCCCAAAAGCCTCA
ACGGGGAACAGAAACAGGGGACAGGCCCAGCATGGGGAGAACCCCAAGAAAAAGCTCGGAGCCAACCCCAA
GGACCTGGAATACCTCAATAAGCCAGGGCCCCGAGACGTAGCGGGAACCCCGTTACACCAACCTCATCACC
CAAGAGCAGAACCACACAGTCTCCTCTGTTGCTGAAACCCTTCTCCATGGGCATGCCTTCTGCCTTCCACA

Table 6
657/3331

ACTGCAAAGCCCTACCTCAGGTCAATAGACAGATTGAAAGACTTAGCCTACACCATTTTAATTTTAGAAAA
TGCAAAGGCTAGAGTTAAAAAATATGAAGGCTGCTAAACGAGTAGTACATTCCAGAAAAAAATACCACTTT
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CACAAGGGGCTTTTTCATCCTCAGGAGACCTGAGTCCTCAAGAAAACCCTTTTCCAGAAGTATTTGCTCCT
TCAGAATGTTTTATAGAAAACACTACTGTAAAAAACACAACTGCAAGAAATGCCTCTGAAGAAAACGTTTT
TATGGAAAACACTACTATGCCAGAAGGCACCATCTCTGAAAACACAAACTACAATCATCTTCCTGAGGCAG
ATTCCCACTAGGACTGCATTCAACTTAGAGCCAACTGTTAAACAAACTGAGACAAAATGGGAATACAACAA
CGTGGGCACTGACCTGTCCCCCGAGCCCAAAAGCTTCAGTTACCCATTGCTCTCATCCCCAGGTGATCAGT
TTGAAATTCCGCTAACCCATCAACTACAGTCCGTCATCCCCAACAACGATGTGAGAAGCTTCATTTCTCAT
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GACAGGCCTCCTGATGAGGCTTCTCAGTGAGCAGCAGGAAGTAAAGGCGTCCAAGGCAGAATGGGATACAG
ACCAGTGGAAAACTAAGAACTATATTAATGAAAGCACAGAAGCCCAGAGTGAACAGAAAGAGCAGAAGTCG
AGTGAGGTGAGGACCACACAGAAACATGAGACCCAGACTTTCCCATCATTTAGCATATGCCAGGAAAGTGC
CCACACAGGAGAACCTGGGACTCCCAGGCCATAGTTTGTCTTGGCCATGTAACTTTGGCCATGACAGTGAT
CTCCCACTTTGTTCATTTAGAGAGTGAAACAGATTAGTGCACAGGATGAACTGTAGGCTGGGCATGGTACG
TCACGCCTGTAAACCCAGCACTTTGGGAGGCCGAGGTGGGTAGATCACTTGAAGTCAGAGGAGTTTGAGAC
CAGCTTGACCAATATAGTGAAACCCTATCTTCACAAAAAATACAAAAATTAGTTGGGTGTGGTGACTTGTG
CCTATAATTCCAGCTACTCTAGAGGCTGAGGTGGGACTACANNN

Table1 3818

NNNNNCCGCCCGGGCAGGTACCCCAGCTGATGATGTTCCACAAAAGAGCAAAACATACACAATCT
GGTTCCACTCTACAGAAATCCTGGAACTGGACTACAAAGGGAATAGACAGGGTGTGGCAGGAGGGGGTTCC
TCACGGTTGGAGTGCGAGGTTAGGGACAGGAATAGAAGGTAGGTAATAAACATTCATGTGGTATTAACTTA
GGGCAGATGTGTCAATATATTTCCAAGTTTAGCATAATATAGGTATAAAAATTAAATAAAAAGTTTATATG
TGTGTGTATATATGGGTTAATACACAACACATACCTCCTAGAGTCATTACCTGAGAGGTTCTACAAGAAAA
GACAGCAAATTAACAAAAAATACACCCAGAATCAAGATTTGAGTTTTGGTTCCTTTCATAGCAGAATGGTA
TGCAACATTTCTTGGAAAAATGGCTAATCCTAGGGCTTGGAAAGAGAATATAGGAGTAAAGTCTACAATTT
CTCATGGTACANN

Table1 3819

GCGTCCGGGCGGTTGGGGCGGAGCAGGGGGCTGGCGCGGGAAGCGGGGCTGTCTGGCTCGGTTAC
GCCCCCACCTCGCCAGGAATCTAGGAGTCGGTTTGTTTTCCGAACCCATCTCCTTCCGCTCTCCCGCCCCT
GCAGGCTGTGTGCCGAGCTTGGAAGAAAGTGTGACCCGTTCGACGGAACAAAGGACATGACAGCCCGGCCC
CGTGCGGCCACTGCGGAGCGTTAGGAACATTCCCTAAAATGGCGGCCGGCGCGTCGGAACAGGGCGGGAGG
CGGCGGCGCGTGGGGGCGGGACGGGGAGGGGCGCGGCCAGCCGGGCTTCTGCTTCCGCGACCCCGGCGGTG
CAGGGCGGGTGGAGTCGCGGAGTAGTCCTCATGGCCGCCCCGCCGGAGCCCGGTGAGCCCGAGGAGAGGAA
GTCCCTTAAGCTCCTAGGATTTTTAGATGTTGAAAATACTCCCTGCGCCCGGCATTCAATATTGTATGGTT
CATTAGGATCTGTTGTGGCTGGCTTTGGACATTTTTTGTTCACTAGTAGAATTAGAAGATCATGTGATGTT
GGAGTAGGAGGGTTTATCTTGGTGACTTTGGGATGCTGGTTTCATTGTAGGTATAATTATGCAAAGCAAAG
AATCCAGGAAAGAATTGCCAGAGAAGAAATTAAAAAGAAGATATTATATGAAGGTACCCACCTCGATCCTG
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TTTTTCCCACACTTGTGTGGAATGAAAACTTGCCAGTTTATTCTGGCCCTGTGTCTACTGCCAGGATAGCA
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GAATTATAAAACATAGTGTTTAATGTACTTGGAGTTTCCTTGTAGTAGTAAGTATAGAGTTTGATGATAAG
TAAACGTCCCTTAACAAAAACCTCAACCTTATTACTATCCCATTAAAAAACAGCAAATACTTACTGAGTTC
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GCATTCATCATTTGACAGTGTTCTCTCATTTCTTAAAATGCGAGTCATCTTCCAAAAGAGTTGTTTTTAAC
TGCCCTAAACATTTTTGGGGAAGTATGCAGGGTTTAAATTTTTAAGTATAATTAGTTCTGAATTAAAATAT
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CCATTTGAAAGTCAATCAGCTGCTCCCATTAAAATATTATTTAAAATACAATACCCACAGCATCTAACTAA
ATCCTCAGGATTTATTCTCCGGGAGAAATTATCCCTTTCTAGGAAAATGAAGTTATTTCTGGTTTTAATTC
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GGAGCTTGCCTCCAGTTCAATTCACAAGAGCATTTTCCCTCCCATGCCCACCTTTTCTTGTGGCTGTCGCT
AGGAAGGATGCAGAGGCTGTGTGGTTTACCAAATGCCTTAACTTAGCAGTGAATGACAACTGTCAAACACA
TGTTGAGGGAAAATTTTTACTGATTCACAAAAAGGAAGACAGTTTGCCCACTCTTAGTGGCACAAATCAAA
GCTGCATGCACTACATTATCCAAATTAGTCGTAACCAAATAGTTAAAAAATTCTGCTGGGCACGGTGGCTC
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CTGGCCAACAGGGTGAAACCCTGTCTCGTCTAAAAATACAAAAATTAGCCGGGCGTGGTGGTGCATGCCTG
TAGTCCCAGGTACCCCACTATGCtaaAAATAAAGcagttGGAGTGatgaagtcgggccatg

Table1 3820

GATACGGAGTTTCACTCTTGTTGCCCAGGCTGGAGTGCAATGGCGCGATCTCAGCTCACTGCAAC
CTCCGCCTCCCAGGATGAAGCCATTCTCCTTCCTCAGCCTCCTGAGTAGCTGGGATTACAGGCTTTGTAGC

Table 6
658/3331

TGAGCAGTTTCTAAATAACACAGCCACTCAACTGACATACCATGGATTATGTGAACTAACTTCAACGGTTC
AGGAAGGAGAACTTTGTGTGTTCTTTCGGAATAATCATTTTAGCACCATGACCAAATACAAGGGTCAACTG
TATTTGTTGGTAACGGACCAGGGGTTTCTTACTGAAGAGAAAGTTGTTTGGGAAAGCCTACACAACGTAGA
TGGTGATGGGAATTTCTGGTGACN
Table1 3821
NNGAGCTGTTCTAGCAAATTATTTGAACCTTAAGCGGGCAGTGTGTGGAGCCCCTTCGACTTTGT
AGCCAATTGGACAGAAGTGAGTTCTCCTTTTTTTTGGTGTGTGGGTGGGGTGTGGGGGGGGTGGTG
GCTCGCCTTTTTTTCTTGTGGATCCTGACACTAACTCCGGGTAGTTAGTGTCACAATTGAATTGTAGATAC
TCAATTGGTGTCCGGAAGAATCAGAGAATTGGTTGATGGTGTTGGAAAACACCCTACCAATATAACACTTA
AGTTCATTTTTAGCATAATATCTGACTGGGTTTTCAGATGTTTTAATATTAGAGAAGAAATGGTGGTGTAA
GAGACAAAGAAATAACAATTATGCATAAAAGAATTTTATTTAGTGGCCAGATCCCAATGAATAATGTCAGT
CATTGCTTGGTTCTGCTAAAATGTGGTATTAGATATATTCTTAAGAAAGTGTACAATTGCATCACCAAAAG
CTGTTTAATTTGGATTGTGTAGAATAAAAGAAAACTACATAAGTCTTTGTTCTTTGATAAAAATTTTAAAA
TATAAAAATGAAAAAAAGAAACCCAAAAGCAGTATTCAAAACTAACAAATGTCACCTTGGACTATTTACAG
TAAGACGCCTTTTTGACAGGAGAATCTTGTTCTCAGCTTGTTCTTTTCCTCACATTTTACTTACAGGGATT
CTCACTCCCCCATCTGATCCCTATTCATAACTTCTTCCATTCCTGTCTCACATGAAACAGCCATCTTCCAT
GCTCTCTCACTCATCTTTGAGTCTCTCTCTGACACTCCTTTTTCCTACTCTTAAATTATTAATAATTCTAT
TCAACAGACATTTATTGAGCACCTAGTATGTGCCAGGCACTGTGTTAAGAGGTGGGGAACAATACAGAGAT
GAAAAGACATTGACCTTTTCCTCAAGAAATTCAGACTTTGGGTTGAATTAAAAAACGTTTTTCTTTTTTTC
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CGCAACCTGCCTCCCGGGTTCAAGTGATTCTCCTGCCTCCGCCTCCTGAGTAGCCGGGATTACAGGCATGC
GCCACCACACCAGGCTAATTTTGTATTTTTTTTTAGTAGAGACGGGGTTTCTTCACATTGGTCAGGCTGGTC
CGAGCTCACCAACCNCAGGTGANCCGCCCGCCCAGCNNNNNNNN
Table1 3822
ACGCGGGGACACTAGCCACACTTCAGGTGCCCAGTGTCCACACTGACTAGTGGTGACGGCGTTGG
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TCACAGGATGGACAGAAACATTCCCGTTTGATTTATTTTTCAGACCCAGTTTGTGGAGAAAAATAATGATG
CTTTACATATGTCTCTTGAATCCTTAATATGTGAATCCAGAGATAAGTTTATACGGGAATTATTTGAATCA
TCCACAAATAACAacaAAGATACTAAACAAAAAGCAGGAAAACTTAGCTTCATCAGCGTGGGAAACAAGTT
TAAGACACAGTTAAATTTGCTTCTggATAAacttcgaag
Table1 3824
NATCTGCCTCATAGGCCACTCTTTCCTTTCCCTCTGCCCACCAAGTCCTCATATCTGCAGAGAAC
CCATTGATCACCTTGTGCCCTCTTTTGGGGCAGCCTGTTGAAACTGAAGCACAGTCTGACCACTCACGATA
AAGCAGATTTTTCTCTGCCTCTGCCACAAGGTTTCAGAGTAGTGTAGTCCAAGTAGAGGGTGGGGCACCCT
TTTCTCGCCGCAAGAAGCCCATTCCTATGGAAGTCTAGCAAAGCAATACGACTCAGCCCAGCACTCTCTGC
CCCAGGACTCATGGCTCTGCTGTGCCTTCCATCCTGGGCTCCCTTCTCTCCTGTGACCTTAAGAACTTTGT
CTGGTGGCTTTGCTGGAACATTGTCACTGTTTTCACTGTCATGCAGGGAGCCCAGCACTGTGGCCAGGATG
GCAGAGACTTCCTTGTCATCATGGAGAAGTGCCAGCAGGGGACTGGGAAAAGCACTCTACCCAGACCTCAC
CTCCCTTCCTCCTTTTGCCCATGAACAAGATGCAGTGGCCCTAGGGGTTCCACTAGTGTCTGCTTTCCTTT
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TTAAGCTGCATTTGTTACTGAAATGATTAATGCACTGATGGGTCCTGAATTCACCTTGAGAAAGACCCAAA
GGCCAGTCAGGGGGTGGGGGGAACTCAGCTAAATAGACCTAGTTACTGCCCTGCTAGGCCATGCTGTACTG
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GCCAGCTGCAGATGGTTTGCCTTGCCTTTCCACCCCCTAATTGTCAACCACAAAAATGAGAAATTCCTCTT
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AAAATTTTTAAACACCTCTTGTGGGGCCGCGCCCATGGTGCAACGGCCAAGGGGCCAAAGGACCCGGCGGA
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Table1 3825
NNNNCGTGTTCACGTCCGTTTGGCGCCGGTTGGTATCACGGTTCCCAAGTGGTGCCCTCTTACGC
GCAGCCCTGTTGTTCGCGTGTGTTGGCAGGCCGCAGGCTCTGTTCTTGAGGTCCCGCGCGCGCCCGTTTGT
CATTGTGCGGTCCTGATCCGTGTTTGTGATGTGTCCCACTTGGCCTCCAGGGCTCGCCCCCCCTTGGGCGC
AATTTTCTTGAGTTTGGTGACACACCGGCCCTGTTCACCGGGTGCCACCCCGGTGTGTTGTTCTTCTTTTT
CTCGGACCGGGGTTCTTTTTTCTGTGTCCACGGGCGTACCGCTTCACGTGTGTTGCAAATTCTCGGGTGCAC
TTGCAAACCTTGCCCCCCCATGTGGTGTTCCCCCCTCTTTTTCTTGTCGTGTCTTCCTCCGCGGTTTCTGTG
TGGTCTATTTGTGTCCTCCTTCCCCCCTCCCGGGCTAATTTTGTTTTTTTTTTTTGTTTTCGGTATTGTTTT
AGGTAGAGTACAGGGTTTCACCATGTTAGCCCAGGATGGTTCTCGATCTTCCTTGACCTCGTGATCCACCC
ACCTCGGCCTCCCAAAAGTGCTGAGATTACAGGCGTGACCCCCGCGTCCGGCCGATCTTCCCAATTTTTGA
AGCAAAGCCAGACACTGAATTTTAACACAAAATCAGCTGACTTTTAGACATTGTGAACTCCTAGCCTGCGG

Table 6
659/3331

CCAACCACTTCCAGGGTTGTCAGGGCTTCCACCCCACACTGACCCAGGGTGGCTTCATTCTGTAAGGGAGA
ACCTGCCAGAAGCACAACCTTATCTTCAGGGATGAGGCCCTCCAGGGATGCTACATGGGCCTTGCTCTGGG
CAACCGTCTCCAGGCCGGTCACTTCAAGAGTGTGCACCTCCCGGGCGCGCACGTAGGCGACNNN
Table1 3827
NCTAGGTACGAGGCTGGGTGGCCAAGAGATGGAATCCAAGTGAATAGTCAGTAACAAGCAAGGTG
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CAGGAAAAAAAAGAAAAGGAAACAAATGATGACAACTATGGACCTGGACCCAGTTTACGTCCACCAAATGT
TGCTTGTTGGAGAGATGGTGGTAAGGCTGCTGGCTCACCTTCGTCATCTGATCAAGATGAAAAGCTCCCTG
GCCAGGATGAAAGCACAGCTGGAACATCAGAGCAAAATGATATCCTCAAAGTGGTGGAAAAGAGGATAGCT
TGTGGTCCTCCACAGGCTAAACTGAATGGACAGCAGGCTGCTCTCGCTTCCCAGTATAGAGCTATGATGCC
TCCTTATATGTTCCAACAGTATCCGAGGATGACATATCCTCCTCTACATGGTCCCATGAGATTCCCACCTT
CTTTATCTGAAACAAACAAAGGCCTTCGAGGAAGAGGCCCACCTCCTTCATGGGCCTCTGAGCCTGAACGC
CCATCCATTCTTAGTGCATCAGAACTGAAGGAGCTTGATAAATTTGATAACCTAGATGCTGAAGCTGATGA
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AAAGAAACAGATGAAGTTTCCAACACTAAATCATCTTCCCAAATACCTGCCCAACCATCAGTAGCAAAAGT
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CAGCAAGTAGCTGATGAAGATGAAATATGGAAGCAAAGACGAAGACAACAATCAGAAATTTCTGCAGCAGT
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Table1 3828
GCGTCCGGACTAGTTCCACGCGCCGACCCACGCGTCCGGCGGCTGGGCGCTGAGGATCAGCCGCT
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CAATCACAGTAAGATCTAA
Table1 3829
CTAAAgacaaaagaaaggtGtcttcTATTcaaccaCAGAAAAATGTCAAATAATTTCTTCCCATC
CTCTCACTCATCACTGTGAAAGCAAATGCACACGACCtTGTTACCATATATGCAGGCAACTATGATTCTGA
TTTAGGTCCTAGCTTTACTTTCCTTTAGTACCTCAAAGCTGCAAGTCAGATTCTGATATTGAAAGATGGTA
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GATAATGAGGAAAGTGAACAACCTCCAGTTCCAGGAACTCCCACACTAAGGAATCGTACGCGGGGCGGTTC
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GCTTTTTCCAACTCCTGATGAAAAGGAAGGAACTCATTCCCTTGGTGGTGTTCATGACTGTGGCGGCGGGT
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Table 6
660/3331

TAAAATTTACAAAGCTtgggtAAATTAGattttctTTAAtAAaaTGccatttgtgcaaaaaaaacaaaaaa
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ccagggtgtcgacacccaaggggtcggcgaccctgctcaaacaggtgcaggaggcatgaagccgcccggga
ggggagaagatagaacagagagtgacagaagaagaagcacgacaagcgaaaaacacacgagaacacagaaa
cacactaagaacagacaagagcaaaccgcacacacagaaaacaga
Table1 3830
NNNNACCTACAAGAACGGAGGACAGGGGCGCACGATGGTCCCGGGGGGAGCGGAAACAAAGGCAC
GCAAAACGGAAAAGCGTGTGTAGGGGAGCGGAAAAGGAAGTCACCACCGTGGCCTGCGACGGTGTTATGAT
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TTTCACAGGGATAGGGTACACAATGTCGCCCCAAACGTGTCTCGTATCTCCGGCACCCTTTTCAAAGCGGT
ACCTCAAGCACTCGCGTCTCGTGTCCAATAGTACCCATCGCTGTGGTGACGAACACTCTANN
Table1 3831
AAATGAGGTAGAAGGATACCGAGCTCTAATGGGTCTATAAATAGAATGCAGTGTGATTTGTGAAA
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NNNNNNN
Table1 3832
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ACGAGCAGGTGGAAATCCGAGCCGTTCTCTACAATTACCGGCAGAACCAAGAGCTCAAGGTGAGGGTGGAA
CTACTCCACAATCCAGCCTTCTGCAGCCTGGCCACCACCAAGAGGCGTCACCAGCAGACCGTAACCATCCC
CCCCAAGTCCTCGTTGTCCGTTCCATATGTCATCGTGCCGCTAAAGACCGGCCTGCAGGAAGTGGAAGTCA
AGGCTGCCGTCTACCATCATTTCATCAGTGACGGTGTCAGGAAGTCCCTGAAGGTCGTGCCGGAAGGAATC
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AGCAGCTGGCCTTCAGACAACCCAGCTCTGCCTTTGCGGCCTTCGTGAAACGGGCACCCAGCACCTGGCTG
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Table 6
661/3331

GCTCCAAGATCACCCACCGTATCCACTGGGAATCTGCCAGCCTCCTGCGATCAGAAGAGACCAAGGAAAAT
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gcaaagggtgccacaccccacggacaactagcggggacccacacctcccaggacaaaaccgtggggacaac
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acgctggacgcaccggacgc
Table1 3833
CGTGGGAAGGCAATCCAGAGCCCATATGACATTATGCAGGGTCAGGGATCCGGGTTCTTTCTATA
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GGTGTGAGCCACCACACCTGGCCAACATGTGGCTTTCAGTTCTTACTTGAAGACAGCTGCTCTAGCTAGAA
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Table1 3835
NNNNNCCGCCCGGGCAGGTACCCCAGCTGATGATGTTCCACAAAAGAGCAAAACATACACAATCT
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TCACGGTTGGAGTGCGAGGTTAGGGACAGGAATAGAAGGTAGGTAATAAACATTCATGTGGTATTAACTTA
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CTCATGGTACANN
Table1 3836
NNNGCGTCCGCGGCTCGCGAGCTGAGAGGAGCAGGTAGAGGGGCAGAGGCGGGACTGTCGTCTGG
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Table 6
662/3331

ATCCTGCAGTGGGACTTCCACGACTCCTTCTTCAACCTCACGCTCAAGCAGGTCCTGTTCTTACAGTGGCA
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Table1 3842
NNNNACTCCAAGCTCTGAGACCACCTCTTCTGCAAAGCCTTCCTGATTCTGCAAAGAACAGGTAG
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GTAGATTTTACATCTTTATTGTATCCTAGATATACAAGTCTATTACTGCCTTTTCCCATGTTCTGTCAACA
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Table1 3845
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CACCTCGAATCCATGCAGGTTGTTGGCATCCCCCTGCAGCCTCATGAGCAGGCCCCCATAGGACACGTACG
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GT
Table1 3847
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ACCCAAGGATAAAATTCAGGATTTCTTAAAGGATAGCCAATTGCAGTTTGAGGCTATAAGTGATGAAGAGA
AGACTCTTCGAGAACAGGAGATTGTTGCCTCATCACCAAGTTTAAGTGGACTTAAGTTGGGGTTCGAGTCC
ATTTATAAGATCCCTTTTGCTGATGCTCTGGATTTGTTTCGAGGAAGGAAAGTCTATTTGGAAGATGGCTT
TGCTTACGTACCACTTAAGGACATTGTGGCAATCATCCTGAATGAATTTAGAGCCAAACTGTCCAAGGCTT
TGGCATTAACAGCCAGGTCCTTGCCTGCTGTGCAGTCTGATGAAAGACTTCAGCCTCTGCTCAATCACCTC
AGTCATTCCTACACTGGCCAAGATTACAGTACCCAGGGAAATGTTGGGAAGATTTCTTTAGATCAGATTGA
TTTGCTTTCTACCAAATCCTTCCCACCTTGCATGCGTCAGTTACATAAAGCCTTGCGGGAAAATCACCATC

Table 6
663/3331

TTCGTCATGGAGGCCGAATGCAGTATGGCCTATTTCTGAAGGGCATTGGTTTAACTTTGGAACAGGCATTG
CAGTTCTGGAAGCAAGAATTTATCAAAGGAAAGATGGATCCAGACAAGTTTGATAAAGGTTACTCTTACAA
CATCCGTCACAGCTTTGGAAAGGAAGGCAAGAGGACAGACTATACACCTTTCAGTTGCCTGAAGATTATTC
TGTCCAATCCACCAAGCCAAGGGGATTATCATGGGTGCCCATTCCGTCACAGTGATCCAGAGCTGCTGAAG
CAAAAGTTGCAGTCATACAAGATCTCTCCTGGAGGGATAAGCCAGATTTTGGATTTAGTAAAGGGGACACA
TTACCAGGTAGCCTGTCAAAAATACTTTGAGATGATACACAATGTGGATGATTGTGGCTTTTCTTTGAATC
ATCCTAATCAGTTCTTTTGTGAGAGCCAACGTATTCTAAATGGTGGTAAAGACATAAAGAAGGAACCTATC
CAACCAGAAACTCCTCAACCCAAACCAAGTGTCCAGAAAACCAAGGATGCATCATCTGCTCTGGCCTCTTT
AAATTCCTCTCTGGAAATGGATATGGAAGGACTAGAAGATTACTTTAGTGAAGATTCTTAGGCAGTTTTAT
AACCCTTTTTCCTCAATAGCCTGTTTCCTGTTTTTAAGATTTTGCCTTTGTTGTTGAAAAAGGGTTTCACT
CTGTCACCAAGGCTTAGTGCAGTGACACAATTACAGCTGATTGCAGCCTTGACCTTCCCAGCTCAAGTGAT
CCTCCTACCTCAGCCTCCCAAGTAGTTAGGACACACAGGTGTGCACCTCATATCCAGATAATTTTTTTCAA
TTTTTTTTTGTAGAGGTGGGGGGTCTCCCTATGTTGCCCAGGCAGATCTCAGACTCCTGGGCTCAAGCGAT
CCTCACACCTCAGCGTCCCAGAGTGCTGGGATTACAGTTGTGAGCCACTGTGCCTGGCCTTTTTTTTTTTT
TTAACCTTTTTGTTTAACTTCTCTCTTCACTGCATCCCAATCCATCTACAGGCATGCACACTTATTAGGAA
AGGAGGTTTGAGGTAACAACAGAGACTTTCACTATATTTTGCTTTGACAGAAGGAAAGAGGAGGAGTTTCT
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CAATCCTTTTCTGGACCATTTTTGTTAATAAATATCAAAGTGTAAAAAAAAAAAAAAAAAAAAAAANAAAAA
AAAAAAAAAANCTCGGGGGGGGGCCCGGTACCCANTTNGCCCTATNGTGNGTCGTATTACANTTCACTGGC
CGTNGTTTTACAACGTNGTGNCTGGGAAANCCCTGGGGTTACCCANCTTANTCGCCTTGCNGCACATTCCC
CCTTTTGGCCCAGCTNGGGGTAAATTGGCGGAAGNGGGCCCCCGNAACCCGGTTCGGGNCCCTTTNCCCCA
ANCAAGGTTTTNCGGNACGCCNNNNNNNNNNNNNNN

Table1 3848

NNNNCCAGTAGCTGGTACTAAAAGCGGGCACCACCATGCTTGGCTAATTTTCATATTTTTCATAG
AGACGGGGTTCCACCATGTGGCCTTGCTTGGTCTGAAAGTTCTGAGCTCAAGCAACCCACCTGCCTTAGCC
TCTCAACGTCCTGGAATGACAGCATGAGTTGCCACACCTGGCTGCATGCCGAATACTTTAGAGTTGTTTAT
GCCTGACACTTCCAGGGCATGCAGAACTATGGTGGCATTAACCGACACATTAACCAACTGCCTCACTTACT
TTTCTTTTGACTCAGTTTATAAATTTTCTTAATTTAAATTTTAATTTCAACATGTATACATCTTTGAAATA
AATAAAATAAGCTCTTTGAATGTTTGACATAACGTAGAAGAAATTGACAAATGGACATCTTTACTTCATTT
TCTGTCTCAAAATGTGGT

Table1 3849

ACTTAGCATGCTTTCAACAATAAATTCTCTGACAAACCCTAAGTGTAACTCAGAAAAAAGCTACA
CTAACTAAATGCAGATTGAATTAACATAATCTCCCATAATCAGAAGTTTCCTAAAGACTTTTCATTTTTCT
TTGTTAACATTTATGTCTATAATACCTATTGTCATTACTCCTAAGAAATCCAACTTTAAAATATAACAAGC
AAGTTTTTTGCAATGAAATTGGCAGAGTAAGAGTTTTATAACCAAAGGGATCTGTGTTTAAATTATGCACT
CTCTGCCACTTTGTATCTATGTGACTGTAAGAAACTCACTCCATCTCTAAGAGTCAGACAAACTCATAAAA
ATAGCTTATTTGGATTAGAAATGATACTTGTTTGGATTTCAAAGGACAGACACATATTGAAGCATTAGTAT
ATCCATTTCAAAAGTGACATTCAACACCAACATTTCGCAATAATAAAAACACAGCTTAATATGAGACTAAT
CATTAACACTATGAATTCTAATTCTGCAAAAAAGTTATAATTTAAAAAATTTCAAATTCAGCCGGGTGCAG
TGGCNNN

Table1 3850

ACAGATTTGATTATGATTTTAATGTTTGAAAGATTGCACTTGTTTGCTTTTACTATAGGGGGGGT
AAAATATATTTTCTGTTCACAGTATATGAAAATATGGAGTAATTTAAACAGTAAATAAACATTCTGTGGAT
GCTTATTTTTGTATTGGCAAAGTATCAATTAAACTATATGTGTTCTTTTTCAAAAATGCTGGATCCATTCA
TGATTGGTTCAAATATCTAATTATTTCCTCAACTTAAATTTGCTTTTTAAATTGCTTAATATGTAGGGGTA
GGTTACCAAATGATAGTTGGATAAGGAATCATTTAGTTATCAGAGCTTCAGAGGGTCATCTGCTTTCCACC
AAGGAAGTTTAAGCATTATGGTTCATTAGTGATTTTGCTTGAAGATTTTAAAAATGTACTTATTATTTATT
TAGCACTGGATTTATGTGCTACTGATATACCTCCATTAATAGAGGAATATTTCTTGGACAGAGATGTGTGN
TCTTTCCTTTTCTCTCTTCTTTTGCCCTTACTTAATCTTTTGACATTTCCCAGATAGACAANNN

Table1 3852

NNNGTGGTGTGTTGTGTGTGTCTCTTTTGTTGAACGGTTGTGCCCGTTCACCCGGCTGGAGTCCA
ATGGTGACCTGCGTCGCCTGACCCCCCCTCCTGGGTTCAGCGTGTTTCTCCTCCCTCAGCCTCCCGAGTAC
TGGGATTACATGGCACCCCTGCCACGCCCGGCTAATTTTTGTTGATTGTGTAATGTACGTGATTCTGTTAT
TTTTAGTAGAGACCGGGGTTTTCACTATGTTGGCCAGCTGGTCTTGACTCCTGACCTGTGATGCTGCCCTC
CTCAGCCTGCCAAAGTGCTAGGATTACAGGTGTGACCACCGCGCCTGGCCTAGACTAATTCTTAAAGGACA
GATTAGATACATACACAATTGAATTTAGTATGCTTTTGTAAGTTAATATAATGATTGGGACCATTTTGTTT
TCTTAGCTATGCTTTATAACAAAATAGTTCTAGTTACTTTCTTTTAAATGGTTACTAAAGTAATAACTTGC
TTTTTAAAAACATAGTATAACTATTTAAGGTAGACTATGAAGAGTAGGCTGAGGTTTCATTTTAAATTATC
TCCTCTTTCTGCCATGGAAGAGTTTAATTCCCCTGATGTGCTTATGGTATTGAAAGCCCATTGTTGGTGTT
GGTATTGAAAGAAAGCTTAGTTTTTCTGCGTTTCCTAAAAGGAGAGGGAAGAAAGATTTTTAAAAGTGGAA
ATCCCTTGATTTTTTTTTTTTCTTGATTAGGATTTGTATAATATATCTGAAGTGAGACTAGAGTTCTTAAA
GTTGAGAGAAACAGTAAATATGTACACN

Table 6
664/3331

Table1 3853
ACTAAAGTGTGTAATACATGTTCAACTTTTCATTTGATTAAAAGAAGTATTATTTAATACATTCT
TAGTAAAGAAAAATTTTTGGATTTTTTGTTCTAAAAATAAATTCCAAATTCTGGTTTTCTAAACCCAAATG
AAGAATGAATGACAATATTCATTTACTTTTTCTTTCATTCCCTTCATATCATATGTAAAAATTTGTCAGCA
AAGTGATATATTATGGAATTGCTGTCAGGAAACACAGGTGAATAAAGGTAATACACTTCCTTCTTTGTGGA
AACTTGAATTATTACAGAGAAAGAAATATAAAAGCTGTACCATCCACGTCACTGGGCACCTGGCCGAACAT
GGCCAGGTAGGGCTCGTAGATGACCGAACGGAATATCCACCTCCAGCGCTGCTCATTCTGCCTAAGGATCC
CTTGCCTGGCCACGCCAAAGGCCACCATCCACACCGCAAAGAGGAACAGGAAGAAGAACACATCGATCAGC
ATCCTCTGCAGCATTATAATCTTGGGTCCTAAGTTTCTGCTTACAGTAAAAATGTGGATCAATCTTAGAGT
GAAAATAATGTAGTCCAGACAGAAAATGACTCGTCCAGAATACAAAGAGCTTTTATTAGAAGAGTGGAGCC
GAAATACAATTCCTGCTATGAAGTAAAAAAGCCCCAGCGTGTCCATCACATTCCACAGGTCAGTAAAATAA
TTCACCCCATTTACGTACCTGCCCGGGCGGCCGCTCT
Table1 3854
NNCACTTGACCTGCAGAGGCGAGCTTGCTGTGAGCAAAGATTGGGCCNNTTNNNNNTNNNCCACT
GATACAGAGTAAGACCCTGCCTCAAACAACAAGTACAACAACAGCAACAACAAAAAACAAAACAAAGGAAA
CCAATTCTGGAAAGATTACAGAATACTAATTATTTTATGGCATGAGAATGTTTTCTATGAAAACTAGTGAT
TAACTCTTAAATGAGAAGATACAAGGTGACTTTCTTTTTCCCCTTTTCTCTGCATTTCCTAATTTTTCTAC
AATGAGCGTGTACTAACAAAATTTTAGTACAAGAAGCACTATATAGCTCAAGGACCCATTAACTCCAATCT
TGCTTTGCATAAATATGGCATTTCAGAAGTCAAGCATACAAAATACTTTCCTTAGAGAAATAAAAATATAT
GTAAAAGCCAGACAGGCCAACAGGGCGATCACATTCCTCAGAACCGCATTGTCCAATTCAATAACCATCAT
TCACATGTGGCAATTAAACACATGAAATGTGGCTTGTCCAAACTGAAATGTGCTGTAAATGTTAAATAGAC
ACTAGGTTTCAAAGATCTTGT
Table1 3862
CGACCCACGCGTCCGCAAGTGCTGGGATTACAGGCGTGAGCTACTGCACCCGGCCTGCTTTCTTT
TTAGTGAAAAGGATCTGTGGGAGCTTTTATTCCCATGGCTGCCTTCCTCAAGTCAACCTCTTTCCCCGGAA
ATGGCATCATCTCTGGACTGTTGTTTCTCCTTCTTCCTTCTCCTCCTTCTCCTCCTCCTCCTCCACCA
TGCCCGGCTGATTTTTGTATTTTTAGTAGAGACAGGGTTTCACTATATGGGCCAGGCAGATCTCGAACTCC
AAACCTCGTGATCCACCTACCTTGGCCTCTGAAAGTGCTGGGATACCGTGGCCTCTGAAAGTGCTGGGATT
ACAGGCATGAGCCACCGCGCCCGGCCCCGTTGTTTCCCTTCTAAGAAACGCAGTGGTCTCTGAAGCCTGCA
GGGGCAGGCCAGCCCTGCACTGAACGCCTGTTCTTGCCAGGTGGCAGAAGGTTGCTGCTCATTTGAGCAGT
ACCTGTCACCCCTCCTCCCACTGCTGCGGCTGTTAACTCATCTTCAGGTCTCACACCTTCTGCACATAAAT
AAGCTATTTTTAAAAGTTATTATTTTTTTACTCTTTCTTTTCTTTGGAGAGGGTACCAAAGGATAGCTGTT
CTGTTTAAGTAGGGACCTCTCATGGCCTACAGGCTTTGACATCTGAGAATCAAACTGGAGAACATTCCGAA
GCCGTTCTTATAAGTGTCTCCATCTCTACCTGGGCTGAAATGGAATGTGCAAATGTAGCCCAGCCTGGTCC
TTGGGTGTTGCCAGTTGATTGATGACTGGGAGCCAAAGTGGCATCTCCTTTGACCTAAACGGGCGATGATG
AAATAAAACTCAACAGCCTTTCTCTCATCTTGCATTGTGAGATGCGAAATAGAGCGTGTCTCTCTGCCTCT
CATTTTAGGCTGAGGCCGTCCAAAGCGGCCATGCCCCATGTTTCCACTAGATGGCGCTGACACTTCAGGCA
TCAACCCTCATGGCCTCTCAGCCTTGCAAAGGCAGCCACTTAAAGTCGGTGTCCTGTGTGGGGCACCAAGC
TGAGCTGCAGACACCCAGTAGGCGCGAGGCAAATGCGTCCCATTTTAAGAGGCTTGTATTTATGAGCTCTT
TGCTTCCTCCCTCCCACTAACTTTAAAGAATTGCTCTCCATCTCCTTTGGCAAAGTTCCTTTGCCCTTTGT
CTTATTTTTGTGAAACCCTCCAAGGTATTTCCAGTCCATTTGCATCCAATCTGGCATCTTTACGGAGAGCG
GTCTCATATGCTATTGTTGTTAACGTGGACTAGTATTTATGTGTTGAGAACACTGGCTGTTTGTCAGGAAA
AGTGTGCCAAAACAAAGAGTACGGCCGGCCCTGGAAATGCATCAGCAAAACCCATTTCCCCCGTGCACTCA
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CTTGGCCTCATCTTGGTGCGGCGGTCGGCAGGTGGCCGGCCGCCGTTGATTGGTTTATGGGGGGTCCAAAA
ACTCGCGTTGCGGGGCGGGGGACCCTTGTATTCTTGTCGGCCCGGTTGTTTCGAGGGTAAATCAAACGAGG
GGGTGGGGGCGCGCCCCCAGGCTGGGTGN
Table1 3863
NNNNNNNNNNNNNNAAGCGGGAGGAACTCCGTCGTCCTCCCCCGCGCGCCTGCCCGCGGCTGGGG
AACCAAGGGCCTGGAGGGGAAACAGCTCCCTGCTGCGTTGTTTTGGGCTCCGTGAGCCGAAAGGGGGAGGG
GAGACGAAGGAGAAGCAAACACTGCGCAGCGGGACCGTGCGCGGCCTCCGCTCCTGCGTGCGTGCGCTCGC
TCGCGCGGGCTCATGTGCTGGCGCGTGAGGCGGAGGCGGGCGGCGGCGGCGGCGCCTGCGCGGTCGGACTC
GGTCGACGGTTCGCAGGGGAGGAGGCGGCGGGAGGCGGAGGAGGCGGCGGCGGCGATGGAGGTGAAGCGGC
TGAAAGTGACCGAGCTGCGGTCGGAGCTGCAGCGGCGGGGCCTGGACTCGCGCGGCCTCAAGGTGGATCTG
GCGCAGCGGCTGCAGGAGGCGCTGGACGCCGAGATGCTCGAGGACGAGGCCGGCGGCGGCGGGGCCGGGCC
CGGCGGGGCCTGCAAGGCGGAGCCTCGGCCTGTGGCCGCGTCGGGCGGCGGCCCGGGCGGGGACGAGGAGG
AGGACGAAGAGGAGGAGGAGGAGGACGAGGAGGCGCTGCTTGAGGACGAGGACGAGGAGCCACCCCCTGCT
CAAGCCTTGGGTCAGGCCGCGCAGCCGCCGCCGGAGCCCCCGGAGGCGGCAGCCATGGAGGCCGCGGCCGA
GCCAGATGCTTCCGAGAAGCCGGCGGAGGCCACGGCCGGGTCAGGCGGGGTAAATGGTGGCGAAGAGCAGG
GCCTCGGCAAGAGGGAGGAAGACGAACCCGAGGAGCGGAGCGGGGACGAGACGCCGGGATCCGAGGTGCCG
GGTGACAAGGCCGCCGAGGAACAGGGAGATGACCAGGATAGTGAAAAGTCAAAACCAGCAGGCTCAGATGG
TGAGCGGCGGGGGGTAAAGAGACAGCGGGATGAGAAGGATGAACATGGCCGAGCTTACTATGAATTCCGAG
AGGAGGCTTACCACAGCCGCTCAAAGTCTCCACTGCCTCCTGAAGAAGAGGCAAAAGATGAGGAGGAGGAT
CAAACTCTTGTGAACCTGGACACGTATACCTCGGATCTGCATTTTCAAGTGAGCAAAGACCGCTATGGAGG

Table 6
665/3331

GCAGCCACTTTTCTCAGAGAAGTTCCCCACCCTTTGGTCTGGGGCAAGGAGTACTTACGGAGTGACAAAGG
GAAAAGTCTGCTTTGAGGCAAAGGTAACCCAGAATCTCCCAATGAAAGAAGGCTGCACAGAGGTCTCTCTC
CTTCGAGTTGGGTGGTCTGTTGATTTTTCCCGTCCACAGCTTGGTGAAGATGAATTCTCTTACGGTTTCGA
TGGACGAGGACTCAAGGCAGAAAATGGACAATTTGAGGAATTTGGCCAGACTTTTGGGGAGAATGATGTTA
TTGGCTGCTTTGCTAATTTTGAGACTGAAGAAGTAGAACTTTCCTTCTCCAAGAATGGAGAAGACCTAGGT
GTGGCATTCTGGATCAGCAAGGATTCCCTGGCAGACCGGGCCCTTCTACCCCATGTCCTCTGCAAAAATTG
TGTTGTAGAATTAAACTTCGGTCAGAAGGAGGAGCCCTTCTTCCCACCACCAGAAGAGTTTGTGTTCATTC
ATGCTGTGCCTGTTGAGGAGCGTGTACGCACTGCAGTCCCTCCCAAGACCATAGAGGAATGTGAGGTGATT
CTGATGGTGGGACTACCCGGATCTGGAAAGACCCAGTGGGCACTGAAATATGCAAAAGAAAACCCTGAGAA
AAGATACAATGTCCTGGGAGCTGAGACTGTGCTCAATCAAATGAGGATGAAGGGTCTCGAGGAGCCAGAGA
TGGACCCCAAAAGCCGAGACCTTTTAGTTCAGCAAGCCTCCCAGTGCCTTAGTAAGCTGGTCCAGATTGCT
TCCGGACAAAGAGGAACTTTATTCTTGAGTCGGGTCATGTGGTCACCTCTGGCCACGCGGGACTCTTGCGT
TCGAACTCTTTCGGAAGTGAGGGGGGTCCCCTGAGGATTGACAAAGGGTTCGAAGAGAGGGAGAGGCGTAC
ATTGGGGAGACCTTCGAGGANNN

Table1 3865

NNNNNNGACTTCCAGGCAACTAGGCTCGTGCCCAATTTAATCCAAGTGATGCATGTCCTTAGCCT
TAAAGGTTGAATCCGTAAACCCTATTAAACTGGTACCTTAGAAGAGTTGTAGTATCAGCAATTAGTGAGCA
GTGATAAAGGCTCACTCTTGAATCGGTTTTCCAGACAATTCTTGGTAAGGTTCTTCTAGCTTTGTCCCAGT
TATATGGTATTTTACGTATTCTCCTTTTGGCAATTAATCACAGTTTTGTATGTCTTTTTCTTTCTTTTTTA
GGTGAAAATATTCTATGCCAACTGTTTTCCACAGTCCTGCATTATATATTAAAACAAAGGCTGCCAGCTGG
AGACACAGCCCTCCGATTACAAAGGCCCAGAATGTTACTTTTAACTGTGCTCCACCAGGAGGTCTGGCCTT
GGGAAAAGATGGCGAAAGGAATATTCTCAGATATGAACATTTTTTATTCTGCCTACAATGCTGTGATCTAG
TTCAACAACTGCAGAACTGTTCTCATCTTAATCGCTGTAGTTTTTCTTTCTTTACTCTTTTGTATAAAAGG
TTAGTGTCACAGCTTCACTATCACTAATAAAAAGATACAAATATGCCTTTCAAGTCAGGGTTGGAAAAGCA
AAACTGAGGTGTGAGGTTACACTGGTCTAAGAAAGTACCAATTTGGGTTCTATATTTTGTCAAACAGTTGG
GTTTTTAAAAAAATTCAAAACTCATGCATGTTACCTACTTGTCATGTGTGAATTATTTCTCACAATTTTAA
TTAATCTGTGTGTATATTAGTTATATAAAGCAATGGATTTCCACATTCTTAAAGCAGGAACCTATATTCAC
CAGAAAAGGATCCTCCTGTTTCTCATCAAATTTTTTTTCAGCTCGAACAATCCAAGATTGGGAATAGTAAG
AGTGGCAAACAAATGTTTTCTTAGGGACTTACTGAGAAAAGAAAAAACTTACTGGGAGAACAGAGACTTAG
TAAAATTTCTATTGCTACAGACAAATGCTAAAAACCAGCTTTATAATAACAGCATTATAAAGGATAGAACT
TAATATAGAACCAGAAATATGGCAAGTTACCTAGTGATTAACATTGTAAAATAGTCAAAAACTTTAAAGCC
ACAGAGAAAGGAAAACAATTATGAAATGGAAAATATATAATATTTAAGTACTTTTATAATTCTAAAACTTC
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TAAATCAAAGAGCATATTTGGAGAAACTAAGAGCTGTTAACTGTTTGGAGGGTAAAAGAATACTTTTCTCG
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GGCATTATTCTTCCAAGGGACTCTTATATCTAAGCAATGGTGAAGTTCTGGATTCATTATGGATCTCATGG
CACCAAACCAACTGGCACTGAAGTTAAGTTAATATACTCCAGCGAGATCACCTGTGGGTCAAGGATGGCCC
AGAGAATCTTGGAAAATCCATTTATATTGAGCAAAGATCTGAATCACCTTCAATCAGGCTGTAAGATACTA
GAAAATTTGACCTTGTAGTAGTATTTCCCAGGGTAACTTAAGCAGCAACCTTGCACCAGAAGAAGAATTAA
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TTAGTTACCAAGTTGCCAAAAAATGGTATATTAAATGAACTGCCAAATGGCAGATTAAGAAAATTAATGTA
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TAAACAATGGAACAATTGTTTTAACTGTTAGAATGACCCCAACTGTTAAGTTTGTCTATGAGTGTATATGT
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CCACTCCAAGAGATAATTTGCCCCTCAATCCCTACAAAGTGTAGTCTAAACAAACAAAATGGTAATAAAAA
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TATTCTGACTGTCTTAAATACAACAATCCAATATGCCCCAAGATGGAAATCTGGTATCGTAGGGAAAACAT
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AAGAAATTAGGACTCTAGGTATGAAAAGCATGTTCCTTTTTTTGTTAATAAGTTCAAAGGAGAGAAACATTC
TGATATATGCAGATAAAAATATGGCTAGGCTGGGCGCGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGA
AGCCGAGGTGGACAGATCACGAGGTCAGGAGATCGAGACCATCCTGGCCAACACGGTGAAACCCCGTCTCT
ACTAAAAATACAAAAAATTAGCCGAGTGTGGTGGTGGGCGCCTGTAGTCCCAGCTACTTGGGAGGCTGAGG
CAGAAGCATGGCGTGAACCCGGGAGGCGGAGCTTGCAGTGAACCAAGATCGCACCACTGCACTCCAGGTTC
GGACGCGTGGGTCGA

Table1 3868

NNNNNNNACTTTCGAAATACTTCTAGAATTAATTAACGCGGGGGTTGCCTCTGATCCTTTTGTTA
TTTGGGGCATGGAAAGTTTGGGTTTTCCTTTTGATTCAGTTCCAGGAAGGCAGCATTAATCACCCTTAGGT
TTCTTGCCTCCATACCCTGTTCTCATACCTCATTTCCCCCCGAAAGACATGATCCTCATAAATCTTTATGG
GAGGTAAAGGGATTGATAGTCTTTCTTCTGTAACTGCTTTATGCTGACCTGAGGCACAGTCCCTACGT

Table 6
666/3331

Table1 3871
taTAGGGAGTCgacCCACGCGTCCGCGGACGCGTGGGTCGGCTCCAGCGCCATGGCGCCCTCCAG
GAAGTTCTTCGTTGGGGGAAACTGGAAGATGAACGGGCGGAAGCAGAGTCTGGGGGAGCTCATCGGCACTC
TGAACGCGGCCAAGGTGCCGGCCGACACCGAGGTGGTTTGTGCTCCCCCTACTGCCTATATCGACTTCGCC
CGGCAGAAGCTAGATCCCAAGATTGCTGTGGCTGCGCAGAACTGCTACAAAGTGACTAATGGGGCTTTTAC
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GGCATGTCTTTGGGGAGTCAGATGAGCTGATTGGGCAGAAAGTGGCCCATGCTCTGGCAGAGGGACTCGGA
GTAATCGCCTGCATTGGGGAGAAGCTAGATGAAAGGGAAGCTGGCATCACTGAGAAGGTTGTTTTCGAGCA
GACAAAGGTCATCGCAGATAACGTGAAGGACTGGAGCAAGGTCGTCCTGGCCTATGAGCCTGTGTGGGCCA
TTGGTACTGGCAAGACTGCAACACCCCAACAGGCCCAGGAAGTACACGAGAAGCTCCGAGGATGGCTGAAG
TCCAACGTCTCTGATGCGGTGGCTCAGAGCACCCGTATCATTTATGGAGGCTCTGTGACTGGGGCAACCTG
CAAGGAGCTGGCCAGCCAGCCTGATGTGGATGGCTTCCTTGTGGGTGGTGCTTCCCTCAAGCCCGAATTCG
TGGACATCATCAATGCCAAACAATGAGCCCCATCCATCTTCCCTACCCTTCCTGCCAAGCCAGGGACTAAG
CAGCCCAGAAGCCCAGTAACTGCCCTTTCCCTGCATATGCTTCTGATGGTGTCATCTGCTCCTTCCTGTGG
CCTCATCCAAACTGTATCTTCCTTTACTGTTTATATCTTCACCCTGTAATGGTTGGGACCAGGCCAATCCC
TTCTCCACTTTACTATAATGGTTGGAACTAAACGTCACCAAGGTGGCTTCTCCTTGGCTGAGAGATGGGAA
GGCGTGGTGGGATTTGCTCCTGGGGTTCCCTAAggcCCTAGTGAGGggcAGAAGAGAAACCATCCTCTCCC
TTCTTACACCGTGAGGGCCaAGATCCCCTCAGAAGGCAGGAGTGCTGCCTCTCCCATGGTGCccgTGCCtc
TGTGCTGTgtatgtgaacaccatgtaaggataacCTGGGctggaaaaacaaaaaacaaggaacaaaaaaca
aaaatccgggcgttttgggggggaaaaaaaaagctctcctttcccttaaggggcagccttgttaaca
Table1 3872
GCGTCCGGCCTAGTGCGCCTGCGACCACACGGCCGGGGCGCTAGCGTTCGCCTTCAGCCACCATG
GGGAATGGGATGAACAAGATCCTGCCCGGCCTGTACATCGGCAACTTCAAAGATGCCAGAGACGCGGAACA
ATTGAGCAAGAACAAGGTGACACATATTCTGTCTGTCCACGATAGTGCCAGGCCTATGTTGGAGGGAGTTA
AATACCTGTGCATCCCAGCAGCGGATTCACCATCTCAAAACCTGACAAGACATTTCAAAGAAAGTATTAAA
TTCATTCACGAGTGCCGGCTCCGCGGTGAGAGCTGCCTTGTACACTGCCTGGCCGGGGTCTCCAGGAGCGT
GACACTGGTGATCGCATACATCATGACCGTCACTGACTTTGGCTGGGAGGATGCCCTGCACACCGTGCGTG
CTGGGAGATCCTGTGCCAACCCCAACGTGGGCTTCCAGAGACAGCTCCAGGAGTTTGAGAAGCATGAGGTC
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CATTCTGGCCGCTCCAGGAATTCTGAAGTTCTGGGCCTTTCTCAGAAGACTGTAATGTACCTGAAGTTTCT
GAAATATTGCAAACCCACAGAGTTTAGGCTGGTGCTGCCAAAAAGAAAAGCAACATAGAGTTTAAGTATCC
AGTAGTGATTTGTAAACTTGTTTTTCATTTGAAGCTGAATATATACGTAGTCATGTTTATGTTGAGAACTA
AGGATATTCTTTAGCAAGAGAAAATATTTTCCCCTTATCCCCACTGCTGTGGAGGTTTCTGTACCTCGCTT
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TGTGAACGCCTCCCAAGGACGAGCCCAGTGTAGTTGTGTGGCGTGAACTCTGCCCGTGTGTTCTCAAATTC
CCCAGCTTGGGAAATAGCCCTTGGTGTGGGTTTTATCTCTGGTTTGTGTTCTCCGTGGTGGAATTGACCGA
AAGCTCTATGTTTTCGTTAATAAAGGGCAACTTAGCCAAGTGAAAACGCAGCAACAACACACACACAACAA
AAACGCACAAAAGAAAAAAAAANNNNNNNNN
Table1 3873
NAATCANTNTNACTAAAAAATTTTATTGAACTGGTCAATTTTCTTTGCCAATATTACTGTATTCT
TATTTCTAGTAATAGAAGTGTGAAAAAGCATCAAGGAAACTTAAATTGCATTCTCATACTGACTGCATACA
ATAATTCTGAAAACAGCGGAAGTTATATATATCCCCCATAAGTAAAACATGAGTAACACAACAAATGAAAA
ACGAATAGGAGACAATTCAAATAATGGCGACCTGTTATTCTCATCTAGTTAAGTACTATTATTTTCTAACA
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AGCCAATGACATAGAATTTTACAAATCAAGAAGCTTATTCTGGGGCCATTTCTTTTGACGTTTTCTCTAAA
CTACTAAAGAGGCATTAATGATCCATAAATTATATTATCTACATTTACAGCATTTAAAATGTGTTCAGCAT
GAAATATTAGCTACAGGGGAAGCTAAATAAATTAAACATGGAATAAAGATTTGTCCTTAAATATAATCTAC
AAGAAGACTTTGATATTTGTTTTTCACAAGTGAAGCATTCTTATAAAGTGTCATAACCTTTTTGGGGAAAC
TATGGGAAAAAATGGGGAAACTCTGAAGGGTTTTAAGTATCTTACCTGAAGCTACAGACTCCATAACCTCT
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CATCTAAACCCTTTCCCTTTTTAGTGTCTGTGTATCAGTATAAAAGTTCTATAAACTGTAGTTACTTATTT
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TCCTAGGTTTTCTTCCAGGATTTTTATAGTCAGAGGATGTAATCTTATGCCAACGGGTCTTAATAATCAAA
TGACTCCACAGTGAGAATCATTACTCTGAAAAATGTCGACGCGGCCGCGAATTTAGTGGTAGTAGGCGGCC
GCTCTAGAGGATCCAAGCTTACGTACGCGTGCATGCGACGTCATAGCTCTTCTATAGTGTCACCTAAANNN
NN
Table1 3876
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGAGACATGTACTCTTTCTGTCACCCATATTG
TGGAGGTTTCTGCCAGTATAAATTAGCTAAATCTTATCATTTGTGTGTGTGTGCTTTCTCCTCATAGGTGA
CTTTACTTCCTGGGACATACAGGAATCTGAATTCAGTAATGGGTCTGGAGGCAGCAAAAGATGATCCGGGT
GGATCTTGAAAAGGTTAGCCTAACAGTGAGAGGGTCCCCAAGTCAGGCAGGACCAGCCCCATAGACTGGGG
AAAAAGGGCTGCTTCTGCTGCCAGGGGAAACTCAGTGAGGGTTGGGGTTTAGGGTGCTCAGATCTATCCAA
ATCAATCCTGATGTTCCTATTCCTAGTCTCAAGGTCCCATTGTTCCCTAATCAGTAGCCATGTTTTTGCAT

Table 6
667/3331

ATGAGACCTGGAGATCCTATGAATTCAGCCTGCGTTGTAATTCAGCAACCTGCAGGATTTGGTTTTATGTC
TGATTTCAGGCTGCATCAGTCCTGTGCCTGGAAGAGATAAAAAGAAAACTCAAAAAAAAAAAAAAAAAAGT
Table1 3877
NGTACGCTTCCCTTGGCACCATGTTATACCATCTGTGCTGGGCTGAATAGTGTCCCCCCAAAATT
GAATAATGTCCCCCCAAAATTCGTGTATACCCTGAACATTAGAATGTGATCTTACTTGGTATTACTTGGTA
TAGGGTGTTGTAGAAATAATCAAATAAAGATGAGGTCATACTGCATCAGGGTAGACCCTAAATTCAATGAC
CAGGATTTTTATAAGTGAAAGGAGAGGCGGATTCAGAGAAAAAGACACAGACACACACAGAGAGAAGACAG
CCATGTGAAGACACAAGCATAAATTGAAGTGACACAGCTACAAGCCAAGGAATGCCAAAAATTGCTGGTAA
CCACCAAAAGTAGGAAGAGGCAAAGGGGAGTTTTTTTCCAGAGACCTTGGCGGGAGCATGGCCATGCCAAC
AACTTGATATCAGACTTGTAATCCCTACATCTATGGCAGAATAAATTTGTGTTATTTTAAGCCACTAAGTA
TGTGCTAATTTCTTATGGCAACCCTAGGACATTGATGTGCCATTGGAGTAGCCTGTTACCACTTTGAGAAC
AAGAAGCTCACTTTGATGCNNNN
Table1 3881
ACAGAGAATAACATAATGACAGGAAGGGGCTGGTTATATTTCTCAGAGACCAAAAATCTTTTACA
TTTCTTCTTGACCGCCCCCCCTCCATTTTTCAGCCTTGGTAATTGCAAAAATATATGAAATAGGTATCTAA
ATTTTGCCTTTCTGTAGTATTCTTAATGCCAGTTTCATTTAGGATAATCCAATATTATATGGCACTAACTT
CAGTAAGTAGCTACTTGGTTGTGGTTTTCTTGGGTACATGGTTCAGTAGCTCTCTGAGTGATTTCTAGATG
AAAGGCAATATAAATAAAAGTTTTCTGCCGTGACTTAACCAATGAAATGAGTCTCTTTGCGTATTTCTTTT
GGCCATTTGGTGGAAAGTAATGCTTTAAGGAGGAAGCTACATATGAATAAATTGAAAGTGTCTTTCTAAGG
CAACTGTGAAACCTCCAAAACAGGAACTTCTTTATAACAAGAACATTCTAAAAAAGGGTCAGTATATGCTT
GACTGGGCCTTAAACCCATGGTTTTTCTAGAACACCAATGTTTAAATACTTGGCGTTTTTGCGGTGAAAAG
CGTTGTTCGTATTTGGAATACTGACTACAGGGGAAGGGAAATGTGCCTGTAAAAGCCTCCACTTTTGTGTT
ATACAAAAACTTTGTCCACTCTATATCTAGGAGGAACCTTTTTTTTTGAAANNNN
Table1 3882
CCGCAAATTTTAAATGGGTATTATTTTTCATCTTCAAACAGCAGACCTGTTATCCTAAACTAAGT
GAGTCAGCTTTTGGTACATGTGATGATTTTCAGTGTAACCATTGACGTAATGATTCTGCCAAATGAAATAT
AATGATATCACTGTAAAACCGTTCCATTTTGATTCTGAGGTTACTCTACTAACAAGCATCACACATTTGTA
TTTTGCCCTGATTAATATGTTGGCTTCGCTTTCAGGGTTTTTAATGACCACAACAAGCAAGCATGCAGCTT
ACTGCTTGAAAGGTGAGGATTGGAAATGTTGGGACTATTATAATTGCAGAATACATGATGATCTCAATCCA
ACTTGAACTCTCTCACTGATTACTTGATGACAATAAAATATCTGATATTCTGCATTCCCATGTAGCATTTT
AATTGAAGTCTGTAAATGTGGCTAAAAGTCTTGTCTTATTTTTTGAGACAGGGTCTTGCCTCACCCAAGCT
AGAGTGCAGTGGCCTTTGAAGCTTACTACAGCCTCAAACTTCTGGGCTCAAGTGATCCTCAGCCTCCCAGT
GGTCTTTGTAGACTGCCTGATGGAGTCTCATGGCACAAGAAGATTAAAACAGTGTCTCCAATTTTAATAAA
TTTTTGCAATCCAAAAAAAAAAAAAAAAAAAAACGAAGGCGGCCGCAAGCTTATTCCCTTTTATGAGGGTTA
ATTTTAGCNNNNNN
Table1 3883
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGAGACATGTACTCTTTCTGTCACCCATATTG
TGGAGGTTTCTGCCAGTATAAATTAGCTAAATCTTATCATTTGTGTGTGTGCTTTCTCCTCATAGGTGA
CTTTACTTCCTGGGACATACAGGAATCTGAATTCAGTAATGGGTCTGGAGGCAGCAAAAGATGATCCGGGT
GGATCTTGAAAAGGTTAGCCTAACAGTGAGAGGGTCCCCAAGTCAGGCAGGACCAGCCCCATAGACTGGGG
AAAAAGGGCTGCTTCTGCTGCCAGGGGAAACTCAGTGAGGGTTGGGGTTTAGGGTGCTCAGATCTATCCAA
ATCAATCCTGATGTTCCTATTCCTAGTCTCAAGGTCCCATTGTTCCCTAATCAGTAGCCATGTTTTTGCAT
ATGAGACCTGGAGATCCTATGAATTCAGCCTGCGTTGTAATTCAGCAACCTGCAGGATTTGGTTTTATGTC
TGATTTCAGGCTGCATCAGTCCTGTGCCTGGAAGAGATAAAAAGAAAACTCAAAAAAAAAAAAAAAAAAGT
Table1 3888
NGAGATGAGAGCTCACCATGTTGACCAGGCTGGTCTGAAACTCCTGTCCTGAAACAATTCTCCTA
CCTCAGCATCCCAAAGTGCTAGGATTAGAGGTGTGAGCCAACACACTCAGCCTAAGGATATGATATATGAA
ATTAATCCCTGAGACATATCAGTGAGGTTCTGATTAAAACAAGTAGAGAGTCATCTTCATTTTCAAGATGT
ATTATATTTTAGCAGTGTCCTTTTCTTGAAGTTCAAATTAACATTCATATTTGTATAGCTGACCTCTGCAA
ACATGGCAGACATGAGGATTTAATATGACTTTCTCTCAATTTCAGTTTATGTTCAGTTTTGGAATTGCAAG
AGAACAGCCTGTCCCCTAGTTTTCCTAACTAGCCTCTTTGGCAACAAGTGGGAAGATCAGTACTCCATGTT
GGTTGGTAGTATTTTAAATCTGAAGCATTTTCAGAGTCTAAGGCAATTCAGACTGCACAGCTGTCAACTCA
GGAGTCCCATTAAACTGACTCTAAAAATTCCTAAAAGAAGGCATGATTTATTATAAGCAAATGGCTAACCT
GGCTTTTTTGGTAATAGAATTTTAAATGAAAATAAAATTATACAAGATACACATTGTTTGGATTTTTAAAA
ACTCTATTAAATGTTTAAGTGGTTGTGAATATGAGGAATAATTAAATGTTAACCCCAGCTGATTAGTGAAC
ATATAAGAAAATGGGGGGAACTGATCCCAAAAGATCTTCTCTTCTAAGGAGAACTTCACTTGAGGGGCAAA
CACTAGAAGATACAATTGTTATTGTAAAACAAACACTAATGAGAGTCCGTCAAATAATTTTAAAAGAAAAT
AGAACGCATTTGCAACTTTCAAATGCATTTGATGCCCAACAATTTCATCACCTACCCTATGTTTAAAACTG
GGAGGCAATCCAGAAACTAAAAGGAATCAGAAATTTGCAAAAATATGTTTGCGATACACTATCCAACACTT
GTACTGACAACATTAGTGTAGATATTTCAACATATGTTAATTTTAAGGAGTAAGTTCGGCAGATGGGCTTC
TAAATTATCAAATTTCAATTAAGACGGACGC
Table1 3890
NNAGTGTTAAGCATCTAAACGTTAGAGTCCCAGAGGAAGGAGGAGTCCCGGACAGGAATCATAGC
GTTGGTGTCACTGTTTTTCATCTAAATGAAAAATAAAAACAAGTCATACATGAACCCTGGGGAAGTAGATA

Table 6
668/3331

TTATAATTATTTTAGAAATGAATAAATTAAAATTTAATATACATAAAAGTCACAGGGGACCTTTTAAAATT
CAGTTCCCCAGGACTAGAGAACTGCAGTGGATCTGGAGAGGCCAAGGACCTACAGTGATAACAAGCACCCC
AGTTGATTGTTGAGACGTGGTCCCAAGGTCACTCTCTGATTACTTAGGCTTGGCAATGCTTTTCAAGATTT
GAGGCATATGGCATCTCAAAAAGATCACCTTACGGCTGGGCACTGTGGCTCATGCCTGTAATCCCAGTACT
ATGGGAGGCTGATGCGGATGGATCATCTGAGGTCAGGAGTTCAAGACCAACATGGTCAAACCCCATCTTTA
CNNNNNNNNNNNNNNNN
Table1 3895
CGACCCACGCGTCCGCTTTATTATCCTGACGTCTTGGGTCTTTTAAGTATATACTTTTCTGAAAG
GTATCCATTTTGTAGGCTTGGGTTCTTCATGAGCATACGATTGTTTATTTTTGCTGCTGTTCTCAACATCA
TCATTGCCTGCTGATGTGCCACGATGCTGCTCCAATAGACAGCAATAAGATTGTCTCTAATTTGAGCAGTA
ACATGATTGCAAGAGACCAAGTTTCACAGCTTGTAAAGTTCTGTATTTGGGATTCTTGCTTATTTTTCCGC
CTGTGTTTTTCTGAGAACTTATTCCTGATGATCAATTGAATCCAGTAGTTTTTCTATGCTATTTGTTGTTG
TATAAGCTACTGTAAGAAACTTATCATAAGGAAAAATAGAAAGGAAAACTTGAATCAATACTCATTGATTA
AAATGGAATAAAGAAAGAGCAGCTGCCACTTTTAAACAACATAAAGGAATATCTTTTTTTGTCTCCGTGTA
GGAAATCCCATAAGTTCTTATATTTGTTCCAGTTCCCATTTCCTGCCATTGACCAGATAACATCATTGACT
TTCAAATGACTTTTAGAAGTGATAACTCTTAATTTCCTAATAGATACTAGATTGTATTGAATTCTGTTTTA
ATTATTCTCTAGGTAAGTATGTTTTAGGATTAAATACCTTTTACAGATACTGAAAGTGCCTCCTTTTGTGG
TGTAAAAAACAAATTATGGTGCAAAAAGTAATCACTAGATTGAAATACATGAAGGTTTTTTGCTTTTTGAC
ATACGAAAATGTCAAGAGAAAGGCCAAAGATTTGTACTTTTTCACTTACAAAGCACTCCTTTTTCCCTTAA
ACTTCTTTCTGTCAAATTAGATTTAATGAGAGAGTACTATTTTTAAGGAGCTATCTGTTTATGTAGAATGA
TTTTGTTAAGAGTAATGTAAACTATTATTGAGTAGAGGCCTAAAGAGGACTGTGCATTTTTGCTATTTAAA
GGAATCACAAATGATCATACTTAAGTGAGCAAAAATGACAAGTTTTACTAGCTAAGTAGAGAAATAAATCT
CAAATGCAGCGCTACAATTTTCATTATCTTAAGTACATTGTACATTTCTACAGAACCTGTGATTATTCTCG
CATGATAAGGATGGTACTTGCATATGGTGAATTACTACTGTTGACAGTTTCCGCAGAAATCCTATTTCAGT
GGACCAACATTGTGGCATGGCAGCAAATGCCAACATTTTGTGGAATAGCAGCAAATCTACAAGAGACCCTG
GTTGGTTTTTCGTTTTGTTTTCTTTGTTTTTTCCCCCTTCTCCTGAATCAGCAGGGATGGAAGGAGGGTAG
GGAAGTTATGAATTACTCCTTCCAGTAGTAGCTCTGAAGTGTCACATTTAATATCAGTTTTTTTTAAACAT
GATTCTAGTTAAATGTAGAAGAGAGAAGAAAGAGGAAGTGTTCACTTTTTTAATACACTGATTTAGAAATT
TGATGTCTTATATCAGTAGTTCTGAGGTATTGATAGCTTGCTTTATTTCTGCCTTTACGTTGACAGTGTTG
AAGCAGGGTGAATAACTAGGGCATATATTTTTTTTTTTTTGGAGAGAAGATAGAAGTTGAATGGTTTGATG
CATAGCACATACTGTCGTTGTGTGGTGTTATCCAGGAAAACATTCTGCATGTTGTATCTAGTCTGATGTAC
TTATCCATCTCATTACAAACAAAAACACACAGACTGCATTTGTAGCTCTGTAATCCTTGAATACGGAAGTA
AATTTTCTTCTTTCCTGACTTTGACATTGTAGCTATACTGTTTCCATTTTTGTTTTTTACAAATCCTTTGGG
TCTAATTCTGTGAGCCTACCTATAGCACTGGATTAAAATGTCTGCATCATTTCTTTAGTTATCCAGTTAAC
TTTAAAACTGTTGTAAAAGTGTAAACCAGCCCATGACAGGTTTTTGTACATGTTAAAGAACTTCATTGTTC
AGTTTTCATGATTATTGTGTAAGGAAGACTGATGTAGATGTTCTGTGCTGTCCTGGACCATGTTAATTACA
CTTACGACGTATTTTAGTTCCACATCACAATGATTTGTCCCCAGTGACCCTTTTATCCTTTCTAGGCACAT
TTCTTGTTGTTGTTGTTGTTGCAGTTCCCCTTTGCATTGTATTGCTTTGACAACTGTAATTTGAATCAGAT
CTGAAAGAGGTCCAGAATAAAATATATTTTGATACCAAAAAAAAAAAAAAAAAAAAAAAAATTGTGGCCCC
TTGGCCCTGAGAAGTTTTAAACCTTTCGTTGGGGCGGGCCCCGTGGGTTATGACCTGGCCTAGCGTTCCAA
GAACCCGGCCGGACTGGGGTGGGTTCCCCAAAAACCCGGGACGGCGTCGAAAATCCGGGGTCGGCCCCGGT
TCCGGGCAGCACCCCGCCCGCGCGNNN
Table1 3896
CCGCACCACTGCACTCTAGCCTGAGCGACAGAACAAGATCCCATCTCTGAAAAAATGGATGAGTG
AATTAAATTTCAAAATAGAGATTTAATGGAAAAATGAGAATTGTTGTGTACATGATTTATGAAGTGGCTTA
CATAATATAATTTTGGACATGAAAGCCCTGAAAAATAGCTTCTTATTTTAAGGATGAACAGACTGGGATTT
ATTTCTGAAATTCTATAATTCTCAGTCAGTTGTAAGGCTTTCATTATATAATAGACTTTTTTTTTTAACCA
ACGGAAGTTGGACCTCTTCAAAATGTGAGATCCAAAAAGGTTTTGGATATTGTTTGAATAACTCTCTTCTC
CAAAGGAGACTGTTTTTGAAAAATGATTCTTTCTGACATGTTAAAATTGAATATTTTTGACACGCCAAATG
CACCAAAGTATTATATGTCATGTTTATTGCCGAGAGTAGCTATATAGCTTGTGGGAGACAGTTAACGTGAA
GCTTTCTTGCATCTGGAAGTATGGGGAGAGAGAAGGCTTCTTCACACCCCCTTTCATGTTATATTCTACAG
GGAAAGAATTTCTATCATGTAGACACTAGGTGACTCCCTTGTGGATAATTTCATTTAACAATGATTTCTGG
GTGTTGCTCTATGCCAGGCACTGTTCTAGGAGCTGATGCGAAGGCTCAGCTGATGGGCTACAGACCTGAAG
GCCTGTGCTCCTCAGTGGCACTCTGTAGGTAGATACAGAGCCACCATCTACTGGGTGCTTCTCCTGAGTGT
GACAGTGTAGGCTGGGACACGATGCTACCCTTCAAGGAGCTTGAAGCTAAGGTTCTGTGCACAGATAAAAT
TAGAATAAATGCAGAGATGCTATAACAAGATGTCTTAGAAAAAAGAAAAACAAAGAATAAATGCAGAGAGA
AAGAGAAATGTATAAAAGGTAGAGAGATAAACATACCACAAGTTCATAGAAAAGAAAGGCTGTGTGTTTAT
CTGTGGCTGGGATGATCAAGAAATGCTTCATGGATAAAGAGCCTTTGAGCCAGACATTGAAAGAAAGGTAA
TGTTGGACTTGAGGTCTTGGAGTATCCTCGTTGAAGGAAACANN
Table1 3897
NNCAGATTCGGCATATGTAGGACAGGGTACAAAGGATGTTGAGACAGCCTTAATTAAATAACGCA
TGCATGATCAGTTAAACCAGCTGTTAATTTGTTAAACCAAACGGTGAGAAAACAAATTTCCCATTTTAATA
TTACTCAATTCGAGCGCATATTAATTTACCAGGGCCTTTAACTAAAGCAAATGAACAAGCTGACTTGCTAG
TATCATCTGCATTCATGGAAGCACAAGAACTTCATGCCTTGACTCATGTAAATGCAATAGGATTAAAAAAT

Table 6
669/3331

AAATTTGATATCACATGGAAACAGACAAAAAATATTGTACAACATTGCACCCAGTGTCAGATTCTACACCT
GGCCACTCAGGAGGCAAGAGTTAATCCCAGAGGTCTATGTCCTAATGTGTTATGGCAAATGGATGTCATGC
ACGTACCTTCATTTGGAAAATTGTCATTTGTCCATGTGACAGTTGATACTTATTCACATTTCATATGGGCA
ACCTGCCAGACAGGAGAAAGTACTTCCCATGTTAAAAGACATTTATTATCTTGTTTTCCTGTCATGGGAGT
TCCAGAAAAAGTTAAAACAGACAATGGGCCAGGTTACTGTAGTAAAGCAGTTCAAAAATTCTTAAATCAGT
GGAAAATTACACATACAATAGGAATTCTCTATAATTCCCAAGGACAGGCCATAATTGAAAGAACTAATAGA
ACACTCAAAGCTCAATTGGTTAAACAAAAAAAAGGAAAAGACAGGAGTATAACACTCCCCAGATGCAACTT
AATCTAGCACTCTATACTTTAAATGTTTTAAACATTTATAGAAATCAGACCACTACCTCTGCAGAACAACA
TCTTACTGGTAAAAGGAACAGCCCACATGAAGGAAAACTGATTTGGTGGAAAGATAATAAAAATAAAACAT
GGGAAATGGGGAAGGTGATAACGTGGGGGAGAGGTTTTGCTTGTGTTTCACCAGGAGAAAATCAGCTTCCT
GTTTGGATACCCACTAGACATTTAAAGTTCTACAATGAACTCACTGGAGATGCAAAGAAAAGTGTGGAGAT
GGAGACACCCCAATCGACTCGCCAGTCTACAGGTGTATCCAGCAGCTCCAAAGAGACAGCAACCAGCAAGA
ATGGGCCATAGTGACGATGGTGGTTTTGTCAAAAAGAAAAGGGGGGGATATGTAAGGAAAAGAGAGATCAG
ACTTTCACTGTGTCTATGTAGAAAAGGAAGACATAAGAAACTCCATTTTGATCTGTACCNN

Table1 3898

NNACTTTTTTTTTTTTTTTTTGAGACGGAGTTTCACTCTTGTCACCCAGGCTGGAGTGCAATGGC
GCAATTAGGGTTCACTGCAACCTCTGCCTCCCGGGTTCAAGCAGTTCTCCTGCCTCAGCCTCCTGAGTAGC
TGGGATTACAGGCATCCACCACCGTGCCCAGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTTGCCATG
TTGGACAGGTTGATCTCAAACTCCTGACCTCAGGTGATCTACCCTCCTCGGCCTCCCAGAGTGTTGGGATT
ACAGGCATGAGCCACCATGCCAGGCTGCTAATTCTCCTTTTTAGTGAGTTAGGGAACTGAGCCTCAGAAAA
CTTAAACGATTTCTCAGAAAACACTCAAGTGATAAAGTGGCCACATTGGAAAGGAGTTTTTATCTTCTCAT
TGTCAGGCCAGTGTTCATTGCACAATATCATGCTACCTCTTGAATCTTTAAAATATTCAATTGGCAAATGT
TTTTCAATGTGATTTACTCATGTCTTAAGTGTATGAGGAAAGTTCAAAGCAAAATAGAAAGGAATAATTCA
AACTGAATTGTCCATAATCAGCTTCCAGTCTTTCATGCTAATCAGCTTCTTAAGAGACTGAAGTATGGCAT
ACCTACAGGGGAATTCCTTCACACCATAGCCTGTATGAACAGTGTTCCCTGGAGTTCTCCAGTGCTCAGCT
TGAGACCTTGATACACGGGCCATGAGCCCTGTCTTCCCCAATGGAAATTTATTTACACTTACCTTATCCCT
ATGGACTTAGTCTGATTTTATTGGCTAGGAGTCTAACAGTCCTGTGTGGATATACAGTTTTGCCCATGACA
ACAAAGGAATCTATCCGAAATATCTTTTTTTTTTATAATAAACTTCCAAGATTTGCTGTCTTCCAGCACTTG
AGTTAAAGTAGGTGGAGTGATCATCAGCCTGGGCAACACGGCAAGACCCTATCTCTANN

Table1 3900

AAAAGGACCATCAAAATAACTTTTATTATAGTAGCAGGCGTAAACACTAAACTGAATATTCCAAA
TTGTGTCAAAAATAACCTACTAGAGACGAGCTTCTAGAAAACCTATTGTTGAACTGCTCTGAAGCTATCAT
TTTAACTATAAATTACTGTTGTTAAAATTTTATATACCCTGGTTGCAAATTAGAATGTTTTAAAAATATCT
TTAACCACGTTAAAACAATTTGAACAAAATCTTACCCCATCTAAAAATGATAGTGTTTAGTTGAATTTAAG
TTAAGCTCTTTAGTATATGACCATATGAAGGGGTAAAGTTTTAATCTTTTTTGTTATTTACATGTGAAAAT
ACAGAAACTAAGTGATTGAATCACATCCTACACGAAAGTTTTTGGAGTGCTCCAGGCATATCATGTGAAAT
ACAGAGGTATTTATATCTCTTTTGGCACCAATAGTTCTTGCTTCAGTAATTCACCAGTAGGTTTTCATTCA
TCGATAATATATCAGTTTAAGGCTAAAATAAAACACCTACATTTCTTAGGGCTTATCATTCTATATAGAAA
GAGGAAACATCCTAATGAGTTTTTTCTTTTGTTTTTCCAAAGAGATTCTAAGCAAAAAAATTTTAACTAAC
ATCTATATTTTGTTATTGGAGCTAGTTACCTTTCTTTTTCTTAGATTCTTTAACGTTTTGAGTAGATAGCC
ATATTTGATAAGCAGGTTGGATGCTTCTGTTGCTTAGGAGGTAGGTGTATTGTGTTATATGAAGACAGAAT
GAATTTAAATATACCCAGTTTGGCAGTATGAAAAAGCTCAGACTACATAAAACTTGGAGGTATGGAACCTT
TGGACGCATTAAAGTTAACGTTTCATTAGGCAATGTGCCTTTGTTTGACTGGTGTGTAAGTCCTTCTTCCA
GGTTTGTACGCTCTTAAACGCGTTATTCTACCCTCTCTAACTCCTCCCAGCAGCAAAAGGGAGACACTTCA
GCTGGAACAAAATAGTGGAAGAAATGGCTGTCTGGGGNNNN

Table1 3901

NNNNCGGTACCTGAAACAGGCTGATCCTGGTAGGGGGTGGATGCTGCTTTTCGAGCCTCTGAGTC
AGCTTGGGGGTTCCCCAAGGCAATCGAGGTAGAAGCTCGCTGGTGTCCTCTGCAGTGCATGAGCCACCTTT
GGGGGCTTCCACACTGCCTCTAATAATTGCAGGATCTCTTGCTGATACTTTATGTCTTTTCTCCCAGCGTT
CAACAGGGCTTTTTCCTTGTAGAATGCCCCACGCAGTTGGAGAGTTAAAAAGGCACACCAAGAGTCAGTGT
AAATGTTTACAGTCTTACCTTCACTTAGCTCAAAGGCCAGAATTAAAGCAATGAGTTTGGTCTTGCGGGCT
GAAGTGCCCTGGGGCAACGATTGGGCTTCAATGACAGCATCCAGGATTACCATATCCTACACACCTCTCTT
CTTGTGGGTCGACTAAAGCTGCTCCCATCCACGTACAGCTCCCAGTCTACTGATGTTTAAGGATGGTCTCG
GTGGTTAGGCCCACTAGAATAAACTGAGTCCAATACCTCTACACAGTTATGTTTAACTGGGCTCTCTGACA
CCGGGAGGAAGGTGGCGGGGTTTAGGTGTTGCAAACTTCAATGGTTATGCGGGGATGTTCACAGAGCAAGC
TTTGGTATCTAGCTAGTCTAGCATTCATTAGCTAATGGTGTCCTTTGGTATTTATTAAAATCACCACAGCA
TAGGGGGACTTTATGTTTAGGTTTTGTCTAAGAGTTAGCTTATCTGCTTCTTGTGCTAACAGGGCTATTGC
TGCCAGGGCCCTTGGACATGGGGGCCAGCCTTTGGAAACCCCATCTAGTTGTTTTGAGAGATAGGCCACTG
GCCTTGGCCAGGGCCCTACAGTCTGGGTTAAAACTCCAACTGCCATTTTTTCTCTTTCTGACACATAGAGT
GTAAAGAGTTTTGTCAGGTCAGGTAGCCTCAGGGCTGGGGCCGACATGAGTTTTTCTTTTTAACTCATGAA
AAGCTCATTGCTGTTGGTTGTAATAGATGTAGTTTATCTAATCTACATTTTTATTGACTGTCATCTACCAA
AATATTGACTTAAATCCTGTAACTATTTGATTTCAAGCTTTAAATTGATCTGGTATTCCTTGCGGGGCTCC
AATTGCATCTAAATAGATGTGAGAGTTGAAAGACCTATAAGGGGCTTCTCTCGCTTTATGATGTCTTATTT
TTTTTTCCCTCTGGTTGATGAAATGCCAGGGTGAAAGGGATAGCCAAATGGACTAAAGCACAAGTGCCACT

Table 6
670/3331

CTAGTTATTCAGCAGAGTGCCCAGTAAAGGTCCACCACAATACCACCACACATCCACTCGGGGATGAACAA
GGGCTGACTGATTGATAAGCTCTTGAAAATTCTTAAGCTCACTGCATCCCTTCAGGTCTCCAAGGAATGCT
AAATCTCCTCCCTGCCATGAGAGACAAGAAGTGAACTTAGTGTTGGGAGACATAAGTTGGATGGCCCTCCG
GGGCTGACCCCCCAGGGACTTAGGATTTTGCAGAAAGAGCTTGGCATGACTTTTTCACTCCAGGCTGGAGA
ATCCCGGAAAAGAGCTACCATGCAGCCCACCCCTGTTCGACNNN

Table1 3902

NACCGACCCCCCNATCCCCCTGCGACCCCCTTTCGGCTCGGGACGCGCGCCATTGTGTTGGTACC
CGGGAATTCGGCCATTATGGCCGGGTGGAAAACTCAGTATCACGTATTTAAACATTTTTTTTCTTTTAGCC
ATGTAGAAACTCTAAATTAAGCCAATATTCTCATTTGAGAATGAGGATGTCTCAGCTGAGAAACGTTTTAA
ATTCTCTTTATTCATAATGTTCTTTGAAGGGTTTAAAACAAGATGTTGATAAATCTAAGCTGATGAGTTTG
CTCAAAACAGGAAGTTGAAATTGTTGAGACAGGAATGGAAAATATAATTAATTGATACCTATGAGGATTTG
GAGGCTTGGCATTTTAATTTGCAGATAATACCCTGGTAATTCTCATGAAAAATAGACTTGGATAACTTTTG
ATAAAAGACTAATTCCAAAATGGCCACTTTGTTCCTGTCTTTAATATCTAAATACTTACTGAGGTCCTCCA
TCTTCTATATTATGAATTTTCATTTATTAAGCAAATGTCATATTACCTTGAAATTCAGAAGAGAAGAAACA
TATACTGTGTCCAGAGTATAATGAACCTGCAGAGTTGTGCTTCTTACTGCTAATTCTGGGAGCTTTCACAG
TACTGTCATCATTTGTAAATGGAAATTCTGCTTTTCTGTTTCTGCTCCTTCTGGAGCAGTGCTACTCTGTA
ATTTTCCTGAGGCTTATCACCTCAGTCATTTCTTTTTTAAATGTCTGTGACTGGCAGTGATTCTTTTTCTT
AAAAATCTATTAAATTTGATGTCAAATTAGGGAGAAAGATAGTTACTCATCTTGGGCTCTTGTGCCAATAG
CCCTTGTATGTATGTACTTAGAGTTTTCCAAGTATGTTCTAAGCACAGAAGTTTCTAAATGGGGCCAAAAT
TCAGACTTGAGTATGTTCTTTGAATACCTTAAGAAGTTACAATTAGCCGGGCATGGTGGCCCGTGCCTGTA
GTCCCAGCTACTTGAGAGGCTGAGGCAGGAGAATCACTTCAACCCAGGAGGTGGAGGTTACAGTGAGCAGA
GATCGTGCCACTGCACTCCAGCCTGGGTGACAAGAGAGACTTGTCTCCAAAAAAAAAGTTACACCTAGGTG
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GTTTTTAGGCTATGTTTGTGATTGCTGAAAAGAATTCTAGTTTACCTCAAAATCCTTCTCTTTCCCCAAAT
TAAGTGCCTGGCCAGCTGTCATAAATTACATATTCCTTTTGGTTTTTTTAAAGGTTACATGTTCAAGAGTG
AAAATAAGATGTTCTGTCTGAAGGCTACCATGCCGGATCTGTAAATGAACCTGTTAAATGCTGTATTTGCT
CCAACGGCTTACTATAGAATGTTACTTAATACAATATCATACTTATTACAATTTTTACTATAGGAGTGTAA
TAGGTAAAATTAATCTCTATTTTAGTGGGCCCATGTTTAGGCTCTTCACCATTCCTTTAACTGGCTTGAAC
TCTTTTGCAAGACCTTGCACGCACGGCTGAGCCAACCCCTTCGCACAATTCGCGGAGACGTAAACACATCC
CAGACCGGGCGCGCGAAACAACTTGGGCAACTATCAAGCAGGAAGCACACATGGGGCCAACCCACAACACA
AAGGGGGCCGCGCCTGAGAACCCCGGCACTAATCACAAGCGCGACAGCAACAGATCGGGGCGCACCGAGAA
GAGAACATCATAGCGGTGCCAGCAACACCAAAAACAAGAGCAGCCACACAGCGTGCACGGGGGGTAGGTAG
TGTTGGTGTGAAGAGCATCGCATCCAGGGCCCGACGGCAGCGAAACTAAACACACACGAACCCAGCACACC
TAGACAGATTGAAGCGAGGAGGCACAGACGACACACAAAACAACAACGCACGCCAAGAGCACTAGCAGCAG
CTAGGACGGACGAACAACACGAGCCGACCACCGCAAACAACCCACACAACACCAACACAACGACGACGAAA
CAAGTACACACAACAGCGCACGCAN

Table1 3904

ACTTGCCCCCAGGCCCAGATAATTTATTTAAAAACTTTTTTTGTAGAGACAGGGTCTCACTATGT
TGCCCAGGCTGGTCTCAAACTCCTGGCCTCAAACAATCCTCTACCTCAACCCCCCTAAGTGCTGGCATTAC
AGGCATCAGCTGCCATGCCTGGCTACAAATCTTAATGTTTTCCCCATGGCTTCTTTTTCTGGCGTTCTTTT
CTCAGGTAATGGAAGTGGGCAGAGAATGATCCTTTCCCTAGGCTCCAGTGTGTAAGAATTAAAGAAAGAGG
AAAGAAACACAATGGCTTGATGGTCGAGGACAGGTTTATTTTAAAGAAAACAAACCCAAGAGTGGCTTCTG
GCTGAGTTAGATCAGAGGCATGCTCTCTTACAGACTAAGAGTTTTTAAGGATTCAGGGTGGGAGAATTTAC
CAGAGGCTTGGACTGCTTCTGTGTCTCNNN

Table1 3907

ACGCGGGGTAATTGACATTGTGGACTTCCTGGGGTAAGTCCTGAGTAAAAAGCACTTAAGCACCT
GTGGTACATCAAAGAGTCTCTTTGAGAGTTCTGCAAAGATTCAAGTGTGGATACCTGAGTCTATATATCAA
AAAGTAATGGAGATAAATAGAGAAGTAGAGAGCCTCCTAAGAAGCCATCTGCCTTCAAGCCTGCCATTGAA
ATGCAAAACTCTGTTCCAAATAAAGCCTTTGAATTGAAGAATGAACAAACATTGAGAGCAGATCCGATGTT
CCCACCAGAATCCAAACAAAAGGACTATGAAGAAAATTCTTGGGATTCTGAGAGTCTCTGTGAGACTGTTT
CACAGAAGGATGTGTGTTTACCCAAGGCTACACATCAAAAAGAAATAGATAAAATAAATGGAAAATTAGAA
GAGTCTCCTAATAAAGATGGTCTTCTGAAGGCTACCTGCGGAATGAAAGTTTCTATTCCAACTAAAGCCTT
AGAATTGAAGGACATGCAAACTTTCAAAGCAGAGCCTCCGGGGAAGCCATCTGCCTTCGAGCCTGCCACTG
AAATGCAAAAGTCTGTCCCAAATAAAGCCTTGGAATTGAAAAATGAACAAACATTGAGAGCAGATGAGATA
CTCCCATCAGAATCCAAACAAAAGGACTATGAAGAAAATTCTTGGGATACTGAGAGTCTCTGTGAGACTGT
TTCACAGAAGGATGTGTGTTTACCCAAGGCTGCGCATCAAAAAGAAATAGATAAAATAAATGGAAAATTAG
AAGGGTCTCCTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACTAAAGCC
TTAGAATTGATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAGAAGCCATCTGCCTTCGAGCCTGCCAT
TGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAATTGAAGAATGAACAAACATTGAGAGCAGATGAGA
TACTCCCATCAGAATCCAAACAAAAGGACTATGAAGAAAGTTCTTGGGATTCTGAGAGTCTCTGTGAGACT
GTTTCACAGAAGGATGTGTGTTTACCCAAGGCTACACATCAAAAAGAAATAGATAAAATAAATGGAAAATT
AGAAGAGTCTCCTGATAATGATGGTTTTCTGAAGGCTCCCTGCAGAATGAAAGTTTCTATTCCAACTAAAG
CCTTAGAATTGATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAGAAGCCATCTGCCTTCGAGCCTGCC
ATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAATTGAAGAATGAACAAACATTGAGAGCAGATCA

Table 6
671/3331

GATGTTCCCTTCAGAATCAAAACAAAAGAACGTTGAAGAAAATTCTTGGGATTCTGAGAGTCTCCGTGAGA
CTGTTTCACAGAAGGGTGTGTGTACTCGGNNNNN
Table1 3909
NNNNNNNNNNNCGGAGTACTTCTAGAATTAATTAACGCGGGGGGCGCCGCCTGCGTCCTGCCCAC
TCCAACGCTGGGTGACATTGAGCTCACCAGCGCCACCGTCCCCGGCGAAGTTCTGCGCTGGTCGGCGGAGT
AGCAAGTGGCCATGGGGAGCCTCAGCGGTCTGCGCCTGGCAGCAGGAAGCTGTTTTAGGTTATGTGAAAGA
GATGTTTCCTCATCTCTAAGGCTTACCAGAAGCTCTGATTTGAAGAGAATAAATGGATTTTGCACAAAACC
ACAGGAAAGTCCCGGAGCTCCATCCCGCACTTACAACAGAGTGCCTTTACACAAACCTACGGATTGGCAGA
AAAAGATCCTCATATGGTCAGGTCGCTTCAAAAAGGAAGATGAAATCCCAGAGACTGTCTCGTTGGAGATG
CTTGATGCTGCAAAGAACAAGATGCGAGTGAAGATCAGCTATCTAATGATTGCCCTGACGGTGGTAGGATG
CATCTTCATGGTTATTGAGGGCAAGAAGGCTGCCCAAAGACACGAGACTTTAACAAGCTTGAACTTAGAAA
AGAAAGCTCGTCTGAAAGAGGAAGCAGCTATGAAGGCCAAAACAGAGTAGCAGAGGTATCCGTGTTGGCTG
GATTTTGAAAATCCAGGAATTATGTTATAACGTGCCTGTATTAAAAAGGATGTGGTATGAGGATCCATTTC
ATAAAGTATGATTTGCCCAAACCTGTACCATTTCCGTATTTCTGCTGTAGAAGTAGAAATAAATTTTCTTA
AATAAAAAAAAAAATCCAGAAAAGAAAAAAAAAACAGTTGGGGGCGCCGCCCCGGAAATTTAACCTCTGTGG
GCGGGCGCCTGTATGTGAATGGCCGGCAAGAACGGCTGAGAGGTGTGTCCCAAAAACGCGGGCACGGGTGA
ACCAGGGTGGGTCTGTACAGGCCCTCCCCCGCGCCNNNNNNNNNNNNNNNNNNNNNNNNN
Table1 3911
NNNNNNNGCTTGTCAATACTTCTAACTTAAGAGCAAGCAAACATATTTCAGGTTTAATTTTATGG
AACAAACACTCTGCTTGTGAATTGTCCACAATATTTCCATAATAACTAACACACTATCACTCCATCAGGTT
TCACTACACAAAGTATTGTGAAACGGAGGTGGGAAATTTTTTCCAGGGTGTTTAGACAAGTATTTAATGAA
GGCTGAAGCAATATGTTCTTTGAGGCATTTAAAAATATTTGAGGATTAATTTCACCAGGATGGATTTCTTA
ATCAGTAAACTGGCTTAGATAAGAAAAAGTCAGAATATTATTAATGAACCTAATGTTCTCTCATGTTTGAG
ATCAGCCAACAGGCCACTTACTTATACCCTACTTGCCTTAAGGAGTATGAAAGAAGTCCAGCTTTCTTAGT
CTAACTGGTAGTTTCCAACAACTGAANN
Table1 3914
ACCCATCTTGTCCCAAGTGCCAAGCTCTTCAGTTGTTTCTGCTACTTAAGAAAGACACCATCTAA
TCTGCCATATAGAGAGCTTAAATGGAGCTGTAAATATTTGGGGGAAAGAGTTTGGTAGTGTTAGCCTGGCC
TGTCCTCCACTGTATTATAAGTAGCTGTTATCTGAAACAATTGAGAACACAGGGGAAAAAAAAGACCCAATT
ATGCACCAGGAAGTCCAGTGCCCCATTTTTGGAGAAGGAAAGTGAGAGGGCATTGAGTTTCATTGATTGGG
TCTCCGTGGCAGGCCAGCTGCCCCCCAGGAAGGCCTGGTATTCCTGTCCTCTCCGTGAACCTGCCTGAAAG
GGATATAGGAGTTATTGGGTAATCAGGACTTGTCAGCACCTCGGTTATGCAGGATGGTTCAATCCGATAAT
GTGAATGGAACCTGTAATAGGGCTGATGAAAAGCACTCCAGTTTCAAAAGGGCCTTGAATGATTTTTTGTT
CATTTTCTGTTTACATGTAATGTGTTATTGATGTCATTACCTTATAATACGGCAGCTTGTTTCATAGAAAA
ACCAGGAATTATTCATTCTTTNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Table1 3915
GCTTCCATTTATAAAGCGAGATGGATTGGAACCAAGTTCCAGGGTGCCCTTCAGGTCAAAATTGG
TATGAGTCTATAATATCGAATTTATTTCTAACCTAAAATATACCTCCTTCTCTTTTTCCCTCATAGATGCT
GTGGTTAGAAATGTATATCACAAATATTTCCATCCTAAAGAAGCTCTAGTTTCCAGTGGAGTCTTGAACAG
GTAAGCATGTTGAAAGCAGAAATATCTTGGCAAGGCATCGTCGCTCACACCTGTAATCCCAGCACTTTGGG
AAGCCAAGGTGGATGGATCATTTTGAGGTCAGGAGTTCCAAACCAGCCTGGCCAACATGGTGAAACCCCAT
CTCCCTGTC
Table1 3916
agGGAGTCGACCCACGCGTCCGGCCgCCTGAGATTGACCCCGCGCGCGCTGTGCAGCGCCGCCCA
GGCCGCCTGGCGGGAGAACTTCCCCCTGTGCGGTCGCGACGTGGCGCGCTGGTTCCCGGGCCACATGGCCA
AGGGGCTGAAGAAGATGCAGAGCAGCCTGAAGCTGGTGGACTGTATCATCGAGGTCCACGATGCCCGGATC
CCACTTTCAGGCCGCAACCCTCTGTTTCAGGAAACCCTTGGGCTTAAGCCTCACTTGCTGGTCCTCAACAA
GATGGACTTGGCGGATCTTACAGAGCAGCAGAAAATTATGCAACACTTAGAAGGAGAAGGCCTAAAAAATG
TCATTTTTACCAACTGTGTAAAGGATGAAAATGTCAAGCAGATCATCCCGATGGTCACTGAACTGATTGGG
AGAAGCCACCGCTACCACCGAAAAGAGAACCTGGAGTACTGTATCATGGTCATTGGGGTCCCCAACGTGGG
CAAGTCCTCCCTCATCAACTCCCTCCGGAGGCAGCACCTCAGGAAAGGTACTGGCGCGTGCGGCTGATCAC
CTCAGGAAAGGTACTGGCGCGTGTGGCTGATGTGCTGATGCCACCATCTTTCTTGGAGGGGACGTGCCCGA
GGAGCACTGCCAGTCTTCTGCTGACCCCGCAGCCCCAGAGCACACCTTGTCTCGTTCAGTCCAGTTCACAG
GAGGGCTGAACAGTGGGACCAGGTCGTTCTGTGAATTTCACACTTAATTTTTCTCTCTTTTAAAATCTTTA
ACATGAAGATGGCTTTTCTAAACTTTGATATTTGTTCATTTATTTAAATCCCTTTGGCCGGGTGCATGGCT
CACGCCTGTAATCCCAGCACTTTGagaggCCGAggCGGGCGGATCATGaggTCAggAGAttGAgaCcattC
TTGCTGAAacggtgaaaCcCCGTCTCTACTaaAatacgaAAAATTAggt
Table1 3919
NNACTGGGAAATATATAAGGTGCCAGTGCCCAACTCATTCTCATACTTACTCCCAAGATGGCTGT
TTCAAATATTAGATATGGAGCAGCAGTTACAAAGGAAGTAGGAATGGACCTAAAAAACATGGGTGCTAAAA
ATGTGTGCTTGATGACAGACAAGAACCTCTCCAAGCTCCCTCCTGTGCAAGTAGCTATGGATTCCCTAGTG
AAGAATGGCATCCCCTTTACGGTTTATGATAATGTGAGAGTGGAACCAACGGATTCAAGTGCCAACTACCT
CAGGAACCGGGAGTGAAACTACTGGGGTTGCCATTTTTGACTATGAACACTTGAAAGTAAAAATTGGCGTC
ACTTCGAGAGCCATCAAACCCACACTGGGACTGATTGATCCTCTGCACACCCTCCACATGCCTGCCCGAGT

Table 6
672/3331

GGTCGCCAACAGTGGCTTTGATGTGCTTTGCCATGCCCTGGAGTCATACACCACCCTGCCCTACCACCTGC
GGAGCCCCTGCCCTTCAAATCCCATCACACGGCCTGCGTACCAGGGCAGCAACCCAATCAGTGACATTTGG
GCTATCCACGCGCTGCGGATCGTGGCTAAGTATCTGAAGAGGGCCGTCAACAGCACTGACAAATGAAGAAG
AAGAATGAGTCTCAGGGCACCTTCCTGGAGTGGCCCTCGCCATCCAGGGACCAGCGCGTTGCCTCCCCCGG
CGCTTTTACATCACATGAGCAGCTGACAGCGTATTTATTATGCCTTTGCTGAAACAGTTGATGAGAAATAT
GTTTCCCTTCAGTTTTCATTTAGAAGACAAGGCGTCGTTTGAATAACTTGCCTGATTTTTCTTCCTACCGA
GTAGCATTTCTTTTTTTTTTCACCATATCTTTCCCTAAGGCAGCTCCTTATTCTGTAGGAATTGCCAATGTT
GATGTGTTATTGTTAGGTATTTATATCATTCACAGGGCTGTCAGAAATCCCGATGATCTTGAAGCAAGGTC
TCATATGCACTTGGCAAGTGCTTTTGCTGGCATCGGCTTTGGAAATGCTGGTGTTCATCTGTGCCATGGAA
TGTCTTACCCAATTTCAGGTTTAGTGAAGATGTATAAAGCAAAGGATTACAATGTGGATCACCCACTGGTG
CCCCATGGCCTTTCTGTGGTGCTCACGTCCCCAGCGGTGTTCACTTTCACGGCCCAGATGTTTCCAGAGCG
ACACCTGGAGATGGCAGAAATACTGGGAGCCGACACCCGCACTGCCAGGATCCAAGATGCAGGGCTGGTGT
GGCAGACACGCTCCGGAAATTCTTATTCGATCTGGATGTTGATGATGGCCTAGCAGCTGTGTGGTTACTCC
AAAGCTGATATCCCCGCACTAGTGAAAGGAACGCTGCCCCAGGAAAGGGTCACCAAGCTTGCACCCCGTCC
CCAGTCAGAAGAGGATCTGGCTGCTCTGTTTGAAGCTTCAATGAAACTGTATTAATTGTCATTTTAACTGA
AAGAATTACCGCTGGCCATTGTAGTGCTGAGAGCAAGAGCTGATCTAGCTAGGGCTTGGTCTTTTCATCTT
GTGTGCATAACTTACCTGTTACCAGTATAGGTGGGATATACATTTATCTGTGGCAGGAAATTCCCCAAAAG
CTCAGAGTCCAGTTCCTTCCATAAAACAGGCTGGACAAATGACCACTATGTTAGACCCCCAGGCTCGACTT
CAGGGGTCAGTGTTCCTGTCCCAAACCCAACAGAATACTCTGCCTCTGGTTCATGTAGCAAAATGAGCAAA
AACTCAGTATCTATCAACAGTGTGAATTATATTTCCTATGCCTAGTAATTCACTTCATGTCTAAAAATTAT
TTGATAGAACACTAGGCACCAGGTACATACAAGAAGCTGGAAGATGTTCTGGAGCACTTTTCTAATATTAA
AGATTTGAGGCAAAAAAAAAAAAAAAAAATGGGGCGGCCGGCCGAGAAATTTAAAATTGGGGGGGGGGCCG
GATAAATGAAGGGTATGGTCGAGACAGGGGGAGGTGGGTTACACAAAACGGGAGAGGTGGAACCCAGGGGG
GGGTTCAGGTGAAAACNNNNNN

Table1 3921

ACTTTTTTTTTTTTTCCTTAGAGACATGGCCTCGCTATGTTTCCCAGGCTGCAGTCAGTAGCTAT
TCATTCACAGGCACGATCACTGTGCACTACAGCCTTGAACTCCTGGGCTCAAAAGCGATCCTCTCGCCTCA
GCCTCACCACATCTGGCTACTGTTTATATTTGGTGTAAGGACGGGATGTTTACTTTCTGGAAATAAGTTAG
AGTTGTTCATAATTGAAGTTGCAGAATGAGGAATTATTGTCAATAATAAACATTAACTCAAAATCCCTTCA
TTAACTGTTTATTGCCTTAGAATTAAAAGGTGAAATGTATAGTTAAAAAAATCTACACATAAACTGATGTG
CAATTCCCTATACTTCACTCAAAGCCTGTTGCATCCCAGGAGTAAAATATAATTACAAATCAGTACTATAG
ANN

Table1 3922

NNNNACCATGAGACTAAATGAACTCATGACATTTTATTTGAATCCATTGCTGGTTTTGTTTTCCC
AGATTTAAGGAAAATTTTCTTTTTTCTCTTAGACTACCTAATTGCTTACAGCAGCTTGGTAGATTACTCCT
TTATAAACAAAATACGAATTACTTTTTCTCCCTACTTGACCCGTCCAGAATTCAGAAGCTATTAGTGACTA
TCCTTTTTTCATGGCAATAAAGTTATTTATGTAAGTTCAATAAGAATCTGTTCTCTTCGTAACAGAACATA
ATTGGAAGCATTGGTTTTATAACCAAGGTTTTGACTGGAACGTCGTACTTGAGAATGTGTATAGATCAGAT
ATGACCAAGCGATGCAGAATTTTTGCTCCTTAGTTAAGCTAAATCTGGATTCTTCTGCCACGACCAGGAAA
AATTAGGCATGTGGACACTCTGAAGGGTGAGGACAGTGGAATTTATTGGGCAAAAAGGAAGAAAAAAAAAA
CTTTCAGCAAAGTGAGGGGTGTCCTGCCAATGGCCTCCCCCCTTCACAGATTGAAATATCAGGCCCCCACA
CATGAGCTGAAGAGCCAGACTCCTCCCCCTGCATAAGGTGCAAATTCCTGGTCACTCCACCCCATTCCTCC
AGTGCAACATGTGGGCATTATTCAGAAAGAATCAGTTGGGAAAGGGTGGACAAACAGGGGCAGTTCTCCCT
CTGGGTCGTGTTTTTCATCTGGGACCAGCAGTCCAATCTTTCAGCCTTCAGGCTGTTTTAGGCCTGAAGGT
TGGGTTTCACTGGGT

Table1 3927

TACAGGTTATTAGAATAGGGAAGGGACACCTTGGGCCCAGGAGTGAGTGTTTCTTCTTTTACAGG
TGTAACTAAAAAAGCTAGTTGGTCTAACTTGTGTGTCTTTGTCCTATAAGCCTCTGCAGGTGTGCGAGCAG
GATTGCTTCTGCAACAATAGCCTCCACCCAGCCACATCTTGGGAAAAGAATGGCCACTTCTTGGGGCACAG
TCTTTTTCATGCTGGTGGTATCCTGTGTTTGCAGCGCTGTCTCCCACAGGAACCAGCAGACTTGGTTTGAG
GGTATCTTCCTGTCTTCCATGTGCCCCATCAATGTCAGCGCCAGCACCTTGTATGGAATTATGTTTGATGC
AGGGAGCACTGGAACTCGAATTCATGTTTACACCTTTGTGCAGAAAATGCCAGGACAGCTTCCCATTCTAG
AAGGGGAAGTTTTTGATTCTGTGAAGCCAGGACTTTCTGCTTTTGTAGATCAACCTAAGC

Table1 3932

gtgtgttctgtgcttattcggtcttttgtttctttcgcggccggtgttttgtctgggacgtccca
gtagccctatgtacccccctgggtgtcccacacgggcttctgtgcgggacccccccaattctagcaacttacg
agttcgtcggcggtcggacattgcccggatcgccttacgccggggcTCTTCTTGCCTAACGCAGCCATGGC
TCGTGGTCCCAAGAAGCATCTGAAGCGGGTGGCAGCTCCAAAGCATTGGATGCTGGATAAATTGACCGGTG
TGTTTGCTCCTCGTCCATCCACCGGTCCCCACAAGTTGAGAGAGTGTCTCCCCCTCATCATTTTCCTGAGG
AACAGACTTAAGTATGCCCTGACAGGAGATGAAGTAAAGAAGATTTGCATGCAGCGGTTCATTAAAATCGA
TGGCAAGGTCCGAACTGATATAACCTACCCTGCTGGATTCATGGATGTCATCAGCATTGACAAGACGGGAG
AGAATTTCCGTCTGATCTATGACACCAAGGGTCGCTTTGCTGTACATCCGTATTACACCCTgCAGGGAGGC
CCAAGTTACAAGTTGTGCAAAGTGAGAAAGATCTTTGTGGGCACAAAAGGAATCCCTCATCTGGTGACTCA
TGATGCCCGCACCATCCGCTACCCCGATCCCCTCATCAAGGTGAATGATACCATTCAGATTGATTTAGAGA

Table 6
673/3331

CTGGCAAGATTACTGATTTCATCAAGTTCGACACTGGTAACCTGTGTATGGTGACTGGAGGTGCTAACCTA
GGAAGAATTGGTGTGATCACCAACAGAGAGAGGCACCCTGGATCTTTTGACGTGGTTCACGTGAAAGATGC
CAATGGCAACAGCTTTGCCACTCGACTTTCCAACATTTTTGTTATTGGCAAGGGCAACAAACCATGGATTT
CTCTTCCCCGAGGAAAGGGTATCCGCCTCACCATTGCTGAAGAGAGAGACAAAAGACTGGCGGCCAAACAG
AGCAGTGGGTGAAATGGGTCCCTGGGTGACATGTCAGATCTTTGTACGTAATTAAAAATATTGTGGCAGGA
TTAATAGCATTTTGGTTTTGTGGGTTGTTTTTTTTTTTAATTCAGTTTCCTGCTATTTTACTGTATAACAT
GAACAGTGATTAAGTTCTCAGGCAGGCTTAGGCAGTCTGTTATTGGCTGGGCTTAGTTAGTGGTGGGAAGT
AGAAGATACCAGACTTGGGAAAGGAACAGCAACTAACCAAGGAGTAGAAAGAGCCAAGAAATCCCGGAGTA
TTTATCTCCCCCGCCTTGACTTGGCCAAGAACTTCTCTACACAGTGGACCCCTCTGCCCTGTTAAGTTCCC
TTGGCTTTCTAAAAATCTGCCCTCATTTTCTTCTCCAGTCTGTATTGCACTAGCCCATCCACAAGCCTGGC
TCATCTGTTTTTCCCACTCCTGTGCCCATCTTggcCAAACGCAGGATGAAAATCTCCAGTTGCCATTAAAG
GTGGTCATAAATGGGCTGTTGATGTTGcaaagcattgcagttccttggacttagtgcccttattctccagc
tgccgctgcagtcctcaactctgtttttcagaggacagagatgtagaacataaacttgttcttgc
Table1 3934
gtataataccctgctcctttcggttttcttttgagacagggtcttttaatgtcacccaggctggt
ctcaaactcctggcctcAATCCTcccTccatggccTCccaaAGTGCTGGGATtACAGGTGTGAGCCATGCC
ATCCAGCCTGCCCTGCTCTTTTCTCTTCTCCACCTGGACTCTACTCCCTTTTGATCTTGCCAACTTCTACA
CaCCTTTCAAGGCACCAGTTAAATGTAAATCCTCCAGGAACCCTTCCTTTGCCATCCTCAGAGCCCTCATT
GGATTGCTTCCCGCATACAGCACTTATCCCTTATGCAGAATTAATCGGTTTGTCTCTCACCTACTAGAGGC
GTTATCCTTGAGTGTAGGGACTGTCTTATCCATTCTTGCATCACTGGCATAGTAGGCACTAAATGTAGTTG
CTGAATGCTTAATAAGAGGAATGGAAGTCTTCGTAGCTTGGGGTAGATACTAATGGGCAGATAGAAAGTTC
CCATCCCTGTTCTCTGAGAAAGTGTCAGTGTTCTTTTAGTTTGCTTAAACCGTGTGGGTacttgAGtcctt
ttaaacgattaacgctgggaagaggcaccatttaattaattaatttgttctggaagggatcagtgtacaat
tttaactcagtgctttgtggatctagctaaaggtcaagaactaaagtcggctattagtgcctctggaagat
atttctgcactttagcaccttctctgatgtttttccttcacctcgagctggcctcactctcttcaacaaaa
ccgaacctgcaggaagaatgttgtaccatatccagcatttttgtcccaacaaacatgggacaaacg
Table1 3937
ACGGCAAAGCAGTGGAATGTTTTCTGTTAGCTGATGTTTTTTAAAAACTTAAGTTCCTTGTCTTT
CTTTTTCTCTTAATCAGGATTCCGGAGTTTGAATCCACCTTTGACAATTGTCCGAAAGACGTTTGAATCAA
CAGAAAACCCAGATGACTTCTTGCCCTCTGTAATGACTTGTGTGAACTATCTTAAGTTGCCGGACTATTCA
AGCATTGAGATAATGCGTGAAAAACTGTTGATAGCAGCAAGAGAAGGGCAGCAGTCGTTCCATCTTTCCTG
ATTATAGCAAGAAATGCAGTGTCTGCCTGTTACAGCAAAAGAAACAAATCATGATTTCTTTTCTAATGTTA
TCACCTGAGTCAAGGAAACATGTTACGCCTTCTTGTTGTAGGAAAAACGGCTTGCAGATTATAAAGAGAN
Table1 3938
TCCACCGCGGTGGAGCGGCCGCCCGGGCAGGTACATGCCACCATGCCTAGCTAAGTTTTGTATTT
TTAGCAGAGACAGGGTTTCACCATGTTGGCCAGGCTGGCCTCGAACTCCTGACCTTAGGTGATCCACCCTC
CTAGGTCTCTCAAAGTGCTGGAATTACGGTGTGAGCCACTGCGCCCGGCCCTTAGTAGCATCTTTTAATGG
AGGTAGAGTTGAGATTTCAGTGACTAACAACTAAAGGTATTAAAGGTAGGGGTTTATATGATACATTTGCA
TTTTAGAAAACTGATCTAAGCTTCAATGTGAAGAACAGATTGAAATGGAAGGGGGAGAAGACTAGAAGCAG
AAACATTACTCATTTAAGTAATCTGGACCATGAAACTGAAAAAAAGTATAGGGACTCCAAAAGTCATAAAG
AAGTGAAAGCAAGATTTGGCAATTAACTGCTACGACAGGGAAGAGTTGAGGGGAGTCAAAGAGGAAAGCAA
GGTTTCTGAGCTGGCAAACAGTGAATTGTAGCTCTGTTCACTGAATGAGGCAAACAAGAGAGAGCAATTTT
GAAAGGATAGAGAGTGATGTGATGGTGAGTTTAGTTTGAGACATGTGGAGTTTGAGATGCTCGTGCGACAC
AGTGGGAGGCCNATAGTATGTACTACGGCCGCCACCGCNNNN
Table1 3940
NNGTCTCCATGGCTATGTCCTGTAAAGATTCACAGAAAACCCAATTCCCTTAATAAATCCATTAT
GGCATGCCTATGAGTGACTTTAAATAAACAATCCTCAATGTCCTCGTGTCTAGCCTTTCCTCCCTTTAGGG
AAGCTGGCTGCTAACACAGCACCTGACCAGAGTAGACATTTGATAAATATTTGTTGAGTTGAATTAATCCT
GCCATCTATCCCTTTTTACTATGCAATCTTTATTTTTCCTGGAGCTTCTTACTTTTAACTTTAAGAGATGG
CTTCTAGTTCAAGTATTTTGAGGCTTGGTACCCAATGCTGATTTGTCATCTCTCTAGATTTTACTTTTTCA
TATTGAAATTCTTTTTTTTAGTCTATTCTCTTGTAGCTTTTGTTACATCCAATGATCATTTGCCTCTCTCCA
GGCACTACCAAACTCATTACTGTGGATAGTTTCTGCCTTTACAGGCTTAGAATTGACAAATTGAGAGACAC
ATTTTTTTTTCAATTCTCAAAACAACTAGACTCTTTCCAGCAGATTTGCTAAGGCACACTAGAAGAAATGT
AAAAATCTCACATTCTTGTTCTAGTTAATACATGGGAGAATATTACTAATACATACATTTGTTTTCTACAT
TTGTGGTTGCCTTATACATCTCCTTCACGTTTAATTCCTTAAACACATAAATATGAGTCANNN
Table1 3941
NNNACGGGAGGAAGACAGAGGAGACGAACGTCGCTAATCATGTCTTCGTATGGTGTGCCCCGCTG
TCTCGCTAGACGCTTAGTGTGCGGATCCTGCTTATGCTTCCGTGCTCTCTTTTTTCTGCTCTACTACTGTG
GCCCTATCTGCAGTTGATCACTTGGACAGCCGATATTGTGGGCTGTGTTCTCCTATGCTGTTGCACCCGCT
ATTGGGCTGTTCTCAATCGTACACTGAGGTTGGAGAGGGTGTGTCTTCAGCGACAGTTGAGCCCAGATGTC
GGGAATTTCGTGGTTAACGTACTTCTTCCTGGGCTTGATTCCTTTTTGAGGGGAAGTTTTTAACCTTTCCT
TAGTAGTTACTTTTAATGAACTGAAGAAGAATTAAAGCATCAAAGGCCTAGTGTATGATTTGACTCCGAAG
TGACCCTCTCTTCTACTTTGATAAAGTCAAGATACCTTATTGGCCATAGGAGATTCCTCCTTTTGGGGCTA
CCCCCATACCTGGAAATTCCAAGAGTGTGAGGGCTATATTTGGGCCCAGAGGAAAATCAAGGAACCCCATA

Table 6
674/3331

TCCAGCTGCTAAAGCCCTTGGGCCCAAGGAGTGTACCACTGAATCCAAGGCTCTCTTGGGTAGCCTATGTG
CCTCTTGGATGGTATGTGAACAAGGTAGGGATGAAACTGCAGATGTCTGAAAAGAGCTTAAGCATCCTGAC
AGCTTGCATTTTTTTTTTAATTTTTTTTTCCTCACCGTATTCCACATACCTGTGGCTGGGGAAGGTAATGT
TACCTCTGCAAACAGATGCTCTGGTAAGAGAAGAAAGACACAGGGAAGGCAGAGAGAGCAAGACAGAGGGC
TCAATCACAAAGCTGGGACAAGGAGAGCAGCTGTTTTTCACACATTCCTGCTCCTCTCTCAGCTGGGCTCA
TGTTCACTCCGTTTCATTCCAATCATCAGGGTGGAGATTTCAGAGGTGACTATCCCTAATCCAGTAGAGAA
CATGAGCCCTGGGAGCACAGCTGCCTGGAGTCCTCCCAAGGGTCTCCTCCCCTTTTCCAGACTCAGCATCA
TTGAAGCCCTAACGGGTCCTTGTAAATTAATGTTTCATATTATCGAAGGACTGTCAGTTTAGTTTGGTACA
GTTTATTGTAGCCTAAGAGGTCCAGCAAGATTTCAAGAGAGGAGAGATGATTGCATTACTTGATTACAATG
AATACAATCTTTAGGATACTCTTTACTTTTTGTACAATAACGATATGAAAGGAATTTTTTATTCTACCTAT
ACACAGCTCAAAATAAAGGTATAACTTCTGGAACTGAGAAACTGATGTCGACGCGGCCGCGATTTCTTTCA
CTGAATGTTGATACGCTTTGATAAGTGTATACATCAAGGGCATATACATATACACCCAACACCCCTCTCTC
TTTGTTCTGATTAACTCNNNN

Table1 3942

ACTAGGGAGGCTGAGGTGGGAGGATCCCTGGAGCACAGGAGGTCAAAGCCGTAGTGAGCCATGAT
CACAACCACTGCACTCCAGCTTGAGTGACAGAGAGAGAACCTGTCTCAAAAAAAAAAAAACTAAGTCTAAA
CTTGTAGATCATCTCATGATAGATTCATAGGGAAATGATACAGTTGACCATTGTTCTGGCAGGTTCCATGT
GCTGAGTCCTCGGGTATACATCTCACAGGAAGTGATTCTAGCTTGGGTGGGTCATCTGCGTTCTCTGTTGG
CCGAGTAATCACTGGCCGCGCTGTGGGCACCAGAGAGAGAGAGAGTATGGGCGGTTATCAGTCTGTCTCGC
TGTCTTTAGCCTGCAGAACCTGTGTATCACCCGGTTTTGTCACTGTCTGCAGGGATGCGCGTCTTCGGGTC
GNNN

Table1 3945

ACCTGGTTTTAACATTATACCAAGGAAGGAGGCACTGAAGAGGGTAGGAAAGACAGTCTTGAATG
GCTGATGCCACCCCTCCCCTATGGAGGAGTGTGGTGCTGAGAGAGAATCTGTGCTTGGGAGAGGGAGAGCA
CAGTGACTATGGCACTTTGTATTGGAACTCAGTGTTTGTTGGTCTGTCTGTCGGAATGGAAAGCAATGCAG
GGCACAATTTCGCTGGTGCCCACAGAGGCTGCATTTAGAACAGCCCTAGCCAGAGAAGAATTTTCCATCCT
AGCAATTGGAACCTGAGTTCCAGCTAGCCCACCGCTGTGGGCTAAAGTGATGTAAGCTCCTAAATAGATTT
GAAAGATAATCTATGCCACAAGGACTACAATTTCTGGGCACAN

Table1 3946

NNAGCGCCCGCCCGGGCAGGTTTATTGCTATGAACTGCCACTGATGACCAGAGGAATCAGATGGA
CTTGGCTTACCTCCAGGATGGGTTGCGCCAAAAGACTGGTCAATCTGTTCAATGGTAGGAGCTATGGCCTG
AGAATTAAAATGCACGCCACTGAAAAACAAAAATATTTTTTAATACTAGGCTTCACAAGATGGGCCCACAG
ATCATGTGAGATAGTAGCTGGGAGAGTTATTTTTAAGACACAGGCAGGTGAGTCTCTAATTATATCAAAAT
ACAAAGCTTAATTAGAGAACTTTTAAATAAGAGCATTAATGAGGTCAGGAGAAGGTCAGTTCTCATGAGGC
TGATATACAGAGTTGATCCTCTGGGGCTTTATGACACCAGTGACTCTTAAGAAAAGGGTAGAGAAGAGAAG
CCACCAGACCCTGAGGTATGAAGGCCCCAGTAAAACTAAAAGACAACTAGAACCTGCAGGGGCCAGTGGTA
CCACACATTTGCTTGTCTACTCCTCTATCAGCAAAACTGCCTGAGCCTGCCCCAGGAATCAGGTCCTCTTC
ACACCCTCAAAAAGGGAAAGGGAAGCCAGTTAAGGAGACTTACNNNNNN

Table1 3947

ACCTGGTTTTAACATTATACCAAGGAAGGAGGCACTGAAGAGGGTAGGAAAGACAGTCTTGAATG
GCTGATGCCACCCCTCCCCTATGGAGGAGTGTGGTGCTGAGAGAGAATCTGTGCTTGGGAGAGGGAGAGCA
CAGTGACTATGGCACTTTGTATTGGAACTCAGTGTTTGTTGGTCTGTCTGTCGGAATGGAAAGCAATGCAG
GGCACAATTTCGCTGGTGCCCACAGAGGCTGCATTTAGAACAGCCCTAGCCAGAGAAGAATTTTCCATCCT
AGCAATTGGAACCTGAGTTCCAGCTAGCCCACCGCTGTGGGCTAAAGTGATGTAAGCTCCTAAATAGATTT
GAAAGATAATCTATGCCACAAGGACTACAATTTCTGGGCACAN

Table1 3949

NNNCACGAGGTGCAGTTTGCCATGAAGCGGCTGCTGCCAAGTGTCTGGTCAGAGTCTGAGNATGG
GCAGGGATCGCCCCACCTACCGTCGTCGAAAAGAGGCCCAGCTCTGCCCGACGGCACCATCTTGGCCCTAC
CTTGAAGCCCACCTTGGCTACACGCACAGCAGTCTGGTTGCCAAGGTCCAAAGACCTTAAAAAACCTGGAG
CTAGAAAGCAGTAGACTGGAGGCTTCTACAGACTGTAGGATTCAAGGTGATATTTGCAGACTGGCTTTATG
AGAGACAACACTGATCTACTAGGGGCTGGACCCTAGATTGGTTGCCAGGGCTTGTGTGTGAATCAACCCTA
GGAGGAAAAACCTACTACCAAACCAGAAGAGCAGGCCTAAGAGTACTTTGAGCTTCTAGAAGAAGTAAGCG
GGAAAGGAAGAGAAAGAGTAGAAAGTTGGTGCATCTTCTCCTCCCAAGAGCCTGAGTATAAGAAGTTGGAT
TTTAAGGGTGGGGGAGCTGGGTTGGAGAAAGGTAATATAATTAAAGCCACCACAAAACAACCTAAACAAGC
CATGTTCATGAGTAATTGTAAGTGGCTTCTGGATGAGACCTGGCAGTGTCTCTACATACTTCCTCAGGGAG
ATAGCAATTGAAAATGTAATTGAATAAATAAGGAAAGGAACTGCTATTTGGTGTGTTCCTCTGTGGACCCA
GTTTATTTAATCCTTAAAATAATATTTTTGGGAAGACATTGATTTTGTCCATTTATGTGGATGGGAAAACT
GAGACTCATTAATTTGTCCAATGTCGAACAGCTGGTGTTAGTAGAGCCTAGACTCAAACCCAGCTTTTAAA
GCCCTTGTTCTTTACTCCACTAAACTGTAACCTGTAATCCTGTATGCACTAACAGGAGTTTTCGGTGACCT
TGAAAACACAGATTACTATAATTACTATAATAAATCCCTTACATTCCTGTCTCTAGCATGGTTTAGGGAGT
GCCAAGGCTCAATGTAGATGGGGTCACCTTGTCAGAGCATCTGTTCATACAGAAACTGGGTTTCCTGCAGA
CCCCAGGTGCTGCATAGGATTCCTCAAACCCTACAGGATATATCTCCCCACTGGCTGCTGTCCATTTTGCT
TGTTACCCTGACTCCCCCTCTTCAGCCAGAGCAGTCTTTGTAACTAAAGCTGCCAGCCTGGCTCATCTTTC
CTGACAACGTGCATCTCCTGCCCTGTGATCACCTTTGTGCTTGGCTCCTGCCCTCAGCCTGAATGTGTTCT

Table 6
675/3331

AGGAGGCTGAATTCCTGCTTCGAGTCCTGCCCAAGAGCCAGTCTTGGCTCAGCCCTACCTCACTCTCTCCC
AATTCTTCATTCATAAAGTGCCAAAAAGATTAGACCTGTAATTTGTTAGCCAGCTTTACAGGGCCAGGACT
GAGTGAGTGCCTCCTTAAACTTTGTATCCTGTGTGCCTCCCTTGCCTTACCCTAGTCCCAGCCCTGCAGCT
TTAAGTAATTCAGACATGGATTAGCCATTTCCCAGTTCTGTCTCATACAGTCCAGCCTCTGCCACCTTCCC
CACCCCTTCCTTTATTCCATCCTAACTAGTTCAGCCCTAGTCAAGACTGGATAGACTGATACTGCTTTGTT
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CACTAAGATAAAGATTATGTATATATGTATTTTAAGGGATTTATTATAGGGATCTGACCGCATGCCATTGT
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GCTGGAACCCACGAGGATGGCCTGGAACCCATGTCAGTCTCTCACCACCTCCAGCTTCGATGATGTGGGTG
TCCTGCAGAAGAAGCTGGTGCCCTTCCTCACAGAGTTAAATATGCATCTGGCCCAGGAATTAGAGAAGCTG
AAAGGATGATCCTGGGGAAGGTGGAGCAGCTGCAGGCCTGGCTGCAGGCCTGACTACTGCCCACACCAACG
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CTTACTGGAAGAGAGTTCCGGTAAACATAGCCTTACCAAGGTGACACATTACAAAGCCACCCTACCANNNN
Table1 3951
NNNATGGAATTAAGAAAGAAACTTGTGTGTTGTCTGGTTTTAAAACTGTTTTTTAAGGCATGTAA
TGTTGCTTATTTTACCTTTTTAATTCTCCCTGAATAACATTTTCTTTCTTCCACTCAGTGAACATCCCAAA
ATAGAATTTTACTTGAAAAACTTTACATCAGCCAAAGATGTTTTGTTTGCCATAAAGGAAGTAGGTTTCAG
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TCATACATGTAAAACAGTATTATGCTATTTTATATGAGCAGATGTGAAATCCTCCTGGAACTGAAATCTTG
GCTAGGTCTGCATTTGATCATCTGAGATAAANNNN
Table1 3952
ACCTGGTTTTAACATTATACCAAGGAAGGAGGCACTGAAGAGGGTAGGAAAGACAGTCTTGAATG
GCTGATGCCACCCCTCCCCTATGGAGGAGTGTGGTGCTGAGAGAGAATCTGTGCTTGGGAGAGGGAGAGCA
CAGTGACTATGGCACTTTGTATTGGAACTCAGTGTTTGTTGGTCTGTCTGTCGGAATGGAAAGCAATGCAG
GGCACAATTTCGCTGGTGCCCACAGAGGCTGCATTTAGAACAGCCCTAGCCAGAGAAGAATTTTCCATCCT
AGCAATTGGAACCTGAGTTCCAGCTAGCCCACCGCTGTGGGCTAAAGTGATGTAAGCTCCTAAATAGATTT
GAAAGATAATCTATGCCACAAGGACTACAATTTCTGGGCACAN
Table1 3953
ACTTTTTTTTTTTTTTTTCTTTAGGGGCACAGAGCTAGCAAAAGAGCCAGGAATCAACCCTTATT
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CTTGTTTATTCAACAAGCTGTTCCACTGGGTCCTGGGGAAGAGGGAATTATTTGGGGTGGCAGCCCATGGC
ATATGTCCTGATGCAGCCCATGGCATATGTCCAAGCCCCTCCCAGTGTGACACTCTTGTGACCAGGGTCCA
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Table1 3954
NNAGAAATTGTTTTCAAGATTGGTGCTTTTGCACCATTGATTAGACGAGGCAACCAAGTGCATTT
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AGCACTGGTTTTGAGTTTTCTAAGCTCAGGGTCTTCATTAGAGACCTCTGGAAATACATTAAGGATGGTGG
GGGTAGATAATCCATTCAGCCAGACAAACGGGGCCAGCTCTTAAAATAAGAAAGCTGAGACTGAGGAGGTG
AAACTGAAAATAAAAACAGAAAGTTCATCCTCTAATCCCCAGTGCTGTATTTCTTCAAGGTGCATCAGGCC
TAGGACAGTGGTTAAGTGTTGGGAGCTGGAGATCATTTTATCACTGAGTTGAGATTTCTTTTTCCTGCAGA
GTGTGGGAGATTATATTTAGGGTCATCAGTCACTGTCGCAACTGATCACTAAGGCAAGTTTGCTTCCTTCT
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TACATCTCCTTAGGTTCCATACTTATCAGGGGCTTTTGACATGGAAGAATGTGATAATTGGGGAGCAACCT
TCTGAGAATTCAGCCTTTGAAGTAATTCAAAGACAGTTTCTTAGCACACACGTTAACTCCAGACACAGCAG
TGGTGGGTGCCTCCATTGAGGTTTCCGTTTTCTCTTCTGTCCATCAAGGGCCCAACATCCAACTGGTCCCA
CAGTGAGCAGGGGCAACTCTTGCTTCTTCAGCATCTGGCCACTTCGTTTCCATGGTAACTGCCACGTGTAC
TTTTCTAGCAGTCTGTGGCCACTCCATACTCAGCTGAAAACACTGTTTCAGCCCCCTCTCTGGTGACCTCA
GCCTTCTCCAGGTGTATCTCTTGATGATCTTGGAGACCAGCAGCCACAGCTGCTGCTACTCCTGCAGGAGA
CTGTCAGGCTGTGGTGGGGGGCAGGGGTGTTGGAGGAGAAGTTGAAAATCCGTGTGTTCTCTGCCCCTCTG
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TGATTAGTAACCACACATTGTTTTTCCCCACCTTTTTCATTAGTGGAGGTTTGTATGTGTGTTTGTTGTTT
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CCCGGGTTCAGACGATTCTCATGCCTCAGCCTCCTGAGTAGCTGGGATTACAGATGTGCACCACCACACCT
GGTAATTTTGTATTTTTAGTAGAGATGGGGTTTCACCATATTGGCAGGCTGGTCTCAAATCCTGGACTCAG
GCGATTGGCCACTTGGCTCCCAAAGTGCTGGGATTAAAGGTGTGAACCAACGTGGCCTGCGCCCATTAGTG
GAGTCTGATGGGCCGGGCTCAATATTATTCATGGAAGAGAGACATCTTGGTTACCTTTTTCAACAACTCCT
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Table 6
676/3331

TTTGGGCGGTTTTCAGCCCCTTTTTGTTAAACCCTTTCACTGGGTATACCGCGGGAGAGTATACCCCCCCG
GGGCAGCGTTAAAAGAACCGCCCCTTGTTGGCGACAAGANNN
Table1 3955
NATTCTCCTGTGAAATTTTCTCCCAGTGGCGCCCATCTCCGGGGGGGCCTCTTTGTCTCTTCTCC
TCTTGGTTTTTGCCCCCCCCAGGGCGCCGGCCCACTTGCGTGTCAGGTTACCCACCCTTTAGATCCCAAAT
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CAGGAAGGGTGCCATCAGTGCAGCCCCCCCGCACCACAGCAGCCACACCCATTTTTGTGGACACGAGGCAAC
GTAAGTACTGTGGCATGGCGCAGTGGGTGACAGATGGCCACATAGCGGTCAAAAGCCATGGCCAGCAGCAC
TGTGGATTCCATGCCAGATAAGGAGTGGATGGCAAACATCTGTAGCAGACAAGCATCAAACTGGATGGTAG
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GTTACCTAGCACAGCAATAAGGTAGAGGGAGCACAATGGGAAGGCCAACCAGAACTGAGCCTCTTCTAAAC
CAGGGAGGCCTATTAGGATGAAGTATGTAGCACTGGATTCATTGCCATTGGGATCCACCATCATGAAGAAG
CTGAACTGTGACCAGCACCAGGCAGGTAGAGGCTCAACCGTATGGAAGGAATGTGTGACCCCCTTTGTCCA
GTCNNNN
Table1 3956
acaccacctgagtccagaaagggaggtgtcaacaaaagaagataagcccatacagtgcacacctc
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GGAAGAGACAGGATGACAAAGACTTAAGAGAAAAACGTTGTTTTATTTGTGGAAGAGAAGGGCACATTAAA
AAGGAATGCCCACAGTTTAAAGGCTCTTcAGGCAGTGCTTTTACATGAAGACAAAAAGAAACAAAAAACAA
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GTCAGATTTTTTTTTAATTTAATGAAATTGTTAATGAGGAAAAATTTTTAATATAGTCTTATCTACCACAC
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CTTCCGATTTACGGACATCATTTTATTGCTATTTGTAGACGTGATAACATGAACATGAGTACCTATTTATG
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GCCCTCCTGGACTGTTTCTTTAATTTCAAAAGCCCTGCAGACATAGTACCTGGTCAGAACTATGCCTCGGT
TTATTTATCATTTTGAAATAAAATCAAAATTTCAACCTGTaAAAAAAAAAAAAAaag
Table1 3957
CCGGGCAGGTACGCGGGGGCTGGGGTCTCAGGAGGCAGCGCTCTCGGGACGTCTCCACCATGGCC
TGGGCTCTGCTGCTCCTCACCCTCCTCACTCAGGGCACAGGGTCCTGGGCCCAGTCTGCCCTGACTCAGCC
TGCCTCCGTGTCTGGGTCTCTTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACATTGGGG
GTTATAACCTATGTCTCCTGGTATCAACAACACCCAGGCAAAGCCCCCAAACTCATGATTTATGATGTCAG
TAATCGGCCCTCAGGGGTTTCTAATCGCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCT
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GTCTTCGGAACTGGGACCAAGGTCACCGTCCTAGGTCAGCCCAAGGCCAACCCCACTGTCACTCTGTTCCC
GCCCTCCTCTGAGGAGCTCCAAGCCAACAAGGCCACACTAGTGTGTCTGATCAGTGACTTCTACCCGGGAG
CTGTGACAGTGGCCTGGAAGGCAGATGGCAGCCCCGTCAAGGCGGGAGTGGAGACCACCAAACCCTCCAAA
CAGAGCAACAACAAGTACGCGGCCAGCAGCTATCTGAGCCTGACGCCTGAGCAGTGGAAGTCCCACAAAAG
CTACAGCTGCCAGGTCACGCATGAAGGGAGCACCGTGGAGAAGACAGTGGCCCCTACAGAATGTTCATAGG
TTCTCATCCCTCACCCCCCACCCACGGGAGACTAGAGCTGCAGGATCCCAGGGGAGGGGTGAGGGTTGAGA
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GCTCCCGGGTAGAAGTCACTTATGAGACACACCAGTGTGGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGGG
CGGGAACAGAGTGACCGAGGGGGCAGCCTTGGGCTGACCTAGGACGGTGACCTTGGTCCCAGTTCCGAAGA
CAAATACCACAGTGCTGCTGCTTGTGTATGAGGTGCAGTAATAATCAGCCTCGTCCTCAGCCTGGAGCCCA
GAGATGGTCAGGGAGGCCGTGTTGCCAGACTTGGAGCCAGAGAAGCGATTAGAAACCCCTGAGGGCCGATT
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GGTTGAGTCAGGGCAGACTGGGCCCAGGACCCTGTGTCCTGAGTGAGGAGGGTGAGGAAGAGGAGTGGGGT
CCAGGCCATGGTGGAGACGTCCCGAGAGCGCTGCCTCTTGTGACCCCCCCCGCGTTAATTAATTCTAGAAG
tatttcgaa
Table1 3958
NNGTCAACTGGNAACCTCAGTAATTCAGACCCCACATCCCCGAGGTACATCACCCTGCTGAGGGA
CATCCAGGACAAGGTCACCACACTCTACAAAGGCAGTCAACTACATGACACATTCCGCTTCTGCCTGGTCA

Table 6
677/3331

CCAACTTGACGATGGACTCCGTGTTGGTCACTGTCAAGGCATTGTTCTCCTCCAATTTGGACCCCAGCCTG
GTGGAGCAAGTCTTTCTAGATAAGACCCTGAATGCCTCATTCCATTGGCTGGGCTCCACCTACCAGTTGGT
GGACATCCATGTGACAGAAATGGAGTCATCAGTTTATCAACCAACAAGCAGCTCCAGCACCCAGCACTTCT
ACCTGAATTTCACCATCACCAACCTACCATATTCCCAGGACAAAGCCCAGCCAGGCACCACCAATTACCAG
AGGAACAAAAGGAATATTGAGGATGCGCTCAACCAACTCTTCCGAAACAGCAGCATCAAGAGTTATTTTTC
TGACTGTCAAGTTTCAACATTCAGGTCTGTCCCCAACAGGCACCACACCGGGGGTGGACTCCCTGTGTAACT
TCTCGCCACTGGCTCGGAGAGTAGACAGAGTTGCCATCTATGAGGAATTTCTGCGGATGACCCGGAATGGT
ACCTCGGCCGCCACCGCGTGGAGCTCCAATTCACCCTATAGTAGTCGT

Table1 3960

NNACTGTTTCATCAACAAGGGTGCAACATGNGATAGCATAAGTCATTAGCATAATCCAAATGCTT
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AAGCCTATTGTGCAATAGCAAAACATTAAAAAAATTTAAAAAGCTTTAGGAAATTTCATGTCATTGTACAA
AGATGCTACACCGGAGAAAGGGGGATCTGGTGATCCTAATTTTGTCACCAGCTTTGAAATCTTTAGCTAGG
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TTTTTCTCTGACAAACCGAATTGCAGAACAATTTTATGACTCAACCAACGTAGCAGAGTCCAGAGAGAGTT
TGAAAAAACACCTTACAAAACTTATAACTGAAGTTCTCCCTCCAAGGGCACTTAATTTTTTCAAGTGAAAG
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CCAAAGTGTGATTGTTAAAAATCCCCATGCACAATTANNNNNN

Table1 3961

TACAGTTCAGCCCTTCTCGACTGGAGGCGGTTCTGCCTATTCCGCTCCCCACCTGGACACTTAGC
AATGCCTGGAGACATTTTTGATTGTTGTAAATGGCATCTAGCAAGGATGCTGCTAAATATCCTATAATGCA
CAGGACAGCTGGGACCCTCCCCCCGCCAACAAGGAATAATCCACCCAAGGTCTCCATAGCACTGAGGCGCC
GACAGCTTGCAGTGGCTCACGCAGGAGGAAGGAGCCTGGCGCTTTCTAGACGCCTCCTCTGAGAATATTAC
GAATGCACTACATGCTAGGCAGAAAGGATTGTGCAAGATCATTATGCTAATCGTTGTAACCCTGTGCACTG
TAAGATCCTGGAATATGAATTATCGCAGTAAAAATTCCGTCCAGCGTGGTTGGGATGTGTTGCGTCAACAG
TATGGTCGCTACAACCCAGCACTCTCTGGAGAAGAAAAACAGTGATGAGGTGACTGCTGAACCAGCTTCAC
AGGGAAGAAAGGAAGGTCAACAGAAATACTCTCAACATGGGGCAGCATGGGCGGCGGCAGCTGTCCGCCTT
ACCGCTCAATGTGCANN

Table1 3962

NNCATCACATCTCAACATCTCAGAGCCATCCTCTAAGTGTCACATGTTCCCTCTTAATCTTCTCC
ACCAAAAGCCCAGTTTTTTTTTCTTTTTTTACACAAGGCCACTCCATTTACCCCCACTTGCCGCTAACCTG
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TTCACAAAGGTCAACATTTTCAGCTTCTTTTAGCAGGAATGCTCCTTCAAAGGGTATCTGCATTCCTGTTC
CCACAGCCCCCAGCATTCCTTGTCCTTTAGCTGCCTGGCTTCTCTAGGCACCTGAGTTCATGGTCCTGGGT
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GCTGACATCCCAGAGATCAGTTTCCTTTCTGGGAGGGACTCCTCATTGAGGGGGGTGCAGAAGACCTGCAG
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CCGCTATCCTTCTCATCCCTTACATCCAAGATGTCCTCCTCCTCTTGATGCTGCTGTCTTTTCTTCTTGCT
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CAAGACCCCCATCTTCTCCTCTTCATGGTGCCACCTCTTCTTTTTCTTCCCTTTCCTGAGGGACTGATTGG
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TCTGCCTCCTTTTCTTTTTCTTTTTTTTTGGGGGGCTTGCTCTCTGACTGCAGTTGAGGGGCCCCAGGGTCC
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ATGCTTTAGCAGCTGCTCCTCAGCAAACTTCATCCCACGACTCTTGACCTCTGGGGTGACATTCATGGTGA
GAAAAAAGTCTCTATCCTCAGACTCTCACCAGAGAAGAAGAGGTGATATCATCCGTCATTGCTGGGTCCGC
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CGCTCTTAGAACTGAGTGGATCCCCCGGGCTGCAGGNAATTCGATGATCAAGCTTATCGATACCCGTCGTA
CCTCGAGGGGGGGGGCCCGGTACCCCCAGCTGTTTGTTCCCNNNNN

Table1 3965

gaggtccccgggaggcatcactggtccccgggagttcaagactgcattgagccatgatcgtgcca
ctacacagccttggtgacagagtgagaccctgtctcaaaaaacaacagtaacataaataaataaaaagaag

Table 6
678/3331

gccataatacacgcctccacatagaaattatcctaaacaccaactttactatatgtaaacaAATATcCcca
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TCACCTGAGTGAATTGGATTTTACATTTTCTTTTCTGAAGGTATCTTTACATATAAAGATTATAACTTGCA
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gacatccttaggaatggtcaattaaaggggcaacaagatagcgaaaaaggaaaaaggataggggaaaagaaa
gggtacaaataaaatataga

Table1 3966

NGTCACCCAGGCTGGAGTGCAGTGGCGCAATCTCAGCTCACTGCAACCTCCACCTCCCTGGTTCA
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CCGCGCCGCCCCCCGGTCCCGCCCGCCATGCCCGGCCCGGCCGCGGGCAGCAGGGCCCGGGTCTACGCCGA
GGTGAACAGTCTGAGGAGCCGCGAGTACTGGGACTACGAGGCTCACGTCCCGAGCTGGGGTAATCAAGATG
ATTACCAACTGGTTCGAAAACTTGGTCGGGGAAAATATAGTGAAGTATTTGAGGCCATTAATATCACCAAC
AATGAGAGAGTGGTTGTAAAAATCCTGAAGCCAGTGAAGAAAAAGAAGATAAAACGAGAGGTTAAGATTCT
GGAGAACCTTCGTGGTGGAACAAATATCATTAAGCTGATTGACACTGTAAAGGACCCCGTGTCAAAGACAC
CAGCTTTGGTATTTGAATATATCAATAATACAGATTTTAAGCAACTCTACCAGATCCTGACAGACTTTGAT
ATCCGGTTTTATATGTATGAACTACTTAAAGCTCTGGATTACTGCCACAGCAAGGGAATCATGCACAGGGA
TGTGAAACCTCACAATGTCATGATAGATCACCAACAGAAAAAGCTGCGACTGATAGATTGGGGTCTGGCAG
AATTCTATCATCCTGCTCAGGAGTACAATGTTCGTGTAGCCTCAAGGTACTTCAAGGGACCAGAGCTCCTC
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TCGAAGGGAACCATTCTTCCATGGACAGGACAACTATGACCAGCTTGTTCGCATTGCCAAGGTTCTGGGTA
CAGAAGAACTGTATGGGTATCTGAAGAAGTATCACATAGACCTAGATCCACACTTCAACGATATCCTGGGA
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AGATCTTCTGGACAAACTTCTGCGATACGACCATCAACAGAGACTGACTGCCAAAGAGGCCATGGAGCACC
CATACTTCTACCCTGTGGTGAAGGAGCAGTCCCAGCCTTGTGCAGACAATGCTGTGCTTTCCAGTGGTCTC
ACGGCAGCACGATGAAGACTGGAAAGCGACGGGTCTGTTGCGGTTCTCCCACTTTTCCATAAGCAGAACAA
GAACCAAATCAAACGTCTTAACGCGTATAGAGAGATCACGTTCCGTGAGCAGACACAAAACGGTGGCAGGT
TTGGCGAGCACGAACTAGACCAAGCGAAGGGCAGCCCACCACCGTATATCAAACCTCACTTCCGAATGTAA
AAGGCTCACTTGCCTTTGGCTTCCTGTTGACTTCTTCCCGACCCAGAAAGCATGGGGAATGTGAAGGGTAT
GCAGAATGTTGTTGGTTACTGTTGCTCCCCGAGCCCCTCAACTCGTCCCGTGGCCGCCTGTTTTTCCAGCA
AACCACGCTAACTAGCTGACCACAGACTCCACAGTGGGGGGACGGGCGCAGTATGTGGCATGGCGGCAGTT
ACATATTATTATTTTAAAAGTATATATTATTGAATAAAAGGTTTTAAAAGATAAAAAAATATTAAAAATAA
AAACTCGAGGGGGGGCCCGGTACCAATTTCGCCCTTAGTGAGTCGTTTTACGCGCGCTAATTGGCCGCN

Table1 3967

GCGTCCGCGGACGCGTGGGCGCGGGGCGCCGGCTGCTCTGGCGGCTCCCGCGGCTCCGGCTGGCG
GCTTCGGGCCCTGCACCTGTGACTCTCGGCCGCGCTCGCCCTCGGCCCGCCCGGCGCCGCAGCCCCATGGC
CCCGTCCAGGCTGCAGCTCGGCCTCCGCGCCGCCTACTCCGGCATCAGCTCCGTGGCCGGCTTCTCCATCT
TCCTCGTCTGGACGGTGGTCTACCGACAGCCGGGGACCGCGGCCATGGGAGGGCTCGCAGGGGTGCTGGCA
CTGTGGGTCCTGGTGACGCACGTGATGTACATGCAAGATTATTGGAGGACCTGGCTCAAGGGGCTGCGCGG
CTTCTTCTTCGTGGGCGTCCTCTTCTCGGCCGTCTCCATCGCTGCCTTCTGCACCTTCCTCGTGCTGGCCA
TCACCCGGCATCAGAGCCTCACAGACCCCACCAGCTACTACCTCTCCAGCGTCTGGAGCTTCATTTCCTTC
AAGTGGGCCTTCCTGCTCAGCCTCTATGCCCACCGCTACCGGGCTGACTTTGCTGACATCAGCATCCTCAG
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TGGTCTCCCAGGAAGCTGTCCTGCCCGTCCCCTTTCGAGGAAACCTGAGTGTGGTAGAGAGGGGATCCTGC
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TCTTTTTTTTTTCTTTTTTTTTTTTTTTTGAGATGGAGTCTTACTCTGTCACCCAGGCTGGAGTGCAGTAG
TGCGATCTCAGCTCACTGCAACCTCCGCCTCCCAGGTTCAAGCAATTCTCCTGCCTTGGCCTCTCAAGTAG
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TATAGGTGTGAGCCACCGTGCCCGGCCTGGATCTGTTTTCTTAGCACGCAGTGAGGAATCTTTGTACTTAA
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TTCCATCCCCGCTGCCCTAGGCACTCTCTTCCCAAGGCCAGGTTGGGCACCTGGGGAGGTCAGTTCAGAAA
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AAGGGGGCAACATAGTAGAGGCTGGAAAGAGCCCCCAAACCTGTGCCCATGCCCCTCCAGCCCTGCGTTTC
CATTCTGCCTTCTCAGAGTGCCCTTGCTGCACCCAGACCACCGGCCAGGAGAGACCTTCTCTCCCCACTCCA
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Table 6
679/3331

TTTCTGCCCATACACTGGCCCAAGGGCTCACCTAACTTGGGAGGGAAGGGGCTGTTGGTACAAGGATGATT
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Table1 3970
NNNNNNAGCCGCGCCGAGTCTGCCGCCGCCGCAGCGCCTCCGCTCCGCCAACTCCGCCGGCTTAA
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GGCTTCAGCAAGAACGACTTCGTGATGCGTGCCCGCTCCAAGGTGTATCACATCGAGTGTTTCCGCTGTGT
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NNNN
Table1 3971
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NNNN
Table1 3972
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Table 6
680/3331

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Table1 3974
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Table1 3976
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Table 6
681/3331

GAAGACAAAAACACAAAACGAGACGCGAGAAGAAACGAAGCACAGAAAAAAAGAAAGCAAAAACGAACGCG
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Table1 3979
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Table1 3983
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TCTGGTGCCCAAGACATTGTGC
Table1 3984
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Table 6
682/3331

ATATAAATAAATAGGGAAATGAACAGAGAGACTACATGTGGTTAGCAGGAGTTTAGGATGAGAGAAATTTA
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AAAGTTCTGATTTACTGAGCACGAGAAGAACACATAATTGACTATTCCTGT
Table1 3987
NNNNNNAATGTGAGAGAATAGAAAGAATGTTCATGGAATGTACCTGCCCTGTAAAATGTTTGATC
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Table1 3990
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CCTCTCGCAGGATCACCAAGGAATTCATTATGGAAAGTGTTCAGGAAGCAGTAGCCTCCACCAGCGGCACC
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AATGGCCCTGAGGCAGTTGGAGGAAGCCAGGAAAGCAGGACAAGAACTACGGTTTTACG
Table1 3992
NNNNCAGGGACAGACTGCTTCCGGGTCGAAGGGCTTGCTTCCGGAGAGCGGGAAGGCTAAAACGC
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CTGGAAGAGAATCAAGAACATTATCATATAGTTCAAAAGTTTCTTATCCTGGGAGACATTGATGGTTTGAT
GGATGAGTTTAGCAAATGGCTTTCCAAAAGCAGAAACAATCTACCTGGACACCTGCTTCGCTTTATGACTC
ACCTTATTTTGTTTTTCCGTACTCTGGGACTACAGACCAAGGAGGAAGTTTCTATTGAAGTTTTAAAGACA
TACATACAGCTTTTAATAAGAGAGAAACATACAAATCTTATAGCATTTTATACCTGTCATTTGCCTCAAGA

Table 6
683/3331

CCTAGCTGTTGCCCAGTATGCATTATTTTTGGAAAGTGTTACAGAATTTGAACAGCGCCACCATTGCCTGG
AGTTGGCTAAAGAAGCAGATTTGGATGTTGCAACAATAACAAAAACTGTAGTTGAGAATATTCGAAAGAAA
GATAATGGTGAATTTAGTCATCATGACCTGGCCCCAGCCCTAGATACTGGCACTACTGAGGAGGATCGTTT
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CAATTATGAGAAAATTCTTGGCATCAAAAAAGCACGAAGCTGCAAAAGAAGTATTTGTGAAAATTCCTCAG
GATTCTATAGCAGAAATCTATAATCAGTGCGAGGAACAAGGAATGGAAAGTCCACTTCCTGCTGAAGATGA
TAATGCTATCCGAGAACATTTGTGCATCAGAGCTTATTTGGAAGCCCATGAAACCTTTAATGAGTGGTTTA
AGCATATGAATTCAGTTCCACAAAAACCTGCTTTGATACCTCAACCAACTTTTACTGAGAAAGTGGCTCAT
GAACACAAAGAAAAGAAATATGAAATGGATTTTGGTATTTGGAAAGGGCATTTGGATGCCCTAACTGCTGA
TGTGAAGGAGAAAATGTATAACGTCTTGTTGTTTGTTGATGGAGGGTGGATGGTGGATGTTAGAGAGGATG
CCAAAGAAGACCATGAAAGAACACATCAAATGGTCTTACTGAGAAAGCTTTGTCTGCCAATGTTGTGTTTT
CTGCTTCATACGATATTGCACAGTACTGGTCAGTATCAGGAATGCCTACAGTTAGCAGATATGGTATCCTC
TGAGCGCCACAAACTGTACCTGGTATTTTCTAAGGAAGAGCTAAGGAAGTTGCTGCAGAAGCTCAGAGAGT
CCTCTCTAATGCTCCTAGACCAGGGACTTGACCCATTAGGGTATGAAATTCAGTTATAGTTTAATCTTTGT
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AGGGGCGATTAAAGAAGAGGGGGGTAAAGTTGGTGGGAAGGCTGGGTTGGAGGCCCTTGGGGGCAATGGAN
N
Table1 3993
ACCAGTTTTGTGCTGGTTGGCCTCCTGCCAGGAGGTGACGCTTTCAAGGGAGCAACAGCTGTGGT
AGCATAGGAAGAATCAGGTGGTGAGCAGGGCCCTAGAACTCACAAGAGAATATGACCTTTGTCTTCAGCTA
CCAGGGTGGGTAGAGGAGGACCATCAGGTTGGGGCAGGGCTAGGTGCGTCTGAGTTCAGACTCTCTATGGG
CAGGTCTTGCTGTGGCTGCTGTAGGGGATGGGGGTGGGGTTCCCAGGTCACTAGAGTTGTGTGCCTAGGAA
GATTATGGCTACCTCTGCTGAGTCACGCATGTTGTCAGGGAAGTGGGGGAAAGCTGGCAAGATGGGGGTCT
CACTAGGTTGCACAGGTTGCTCAAACTCCTAGCTTCAAGTGATCCTTCCACCTTGGCTTGTTGTACCCAAG
CGAGTTAGAAAAACGCCACACTTTGAGACAAATTAAGAGTCTTTTATTAGCCGGCGACCTAGAGACGGCTA
ATGCTCAAAATTCTCTCGGCCCCAAGGAAGGGGCTTGATTAACTTTTATACCTTGGTTTAGGAAGGGGAGG
GGGGGTCTAGTTAAAACAATTTTACGGAAGTAAAGTAGTCAAAAAGTTAAAAGGACAAATGGTTACAGGAA
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GCTCTGTCACCCAGGCTGGAGTGCAGTGGCACAATCTCAGCTGACTGCAACCTCCGCCTCCGGGGTTCAAG
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Table1 3994
NCGTCCGTGGACGCGTGGGTCGCCCACGCGTCCGCTTCAGACTTCAACCACAGTTGTGATTGTTT
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Table 6
684/3331

AGTGGGAAGATGATTAGTAAGAGTTGGTTTCTTGAAAAGGAATTGTTCTGGTAATAGTCATCTTTAATGAC
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TGGTGTATTAAAGATACATCCATTCTTGACTGATCTTTAATCTAGAGTGTGGTTTTAGCCAAGTCTTTGAA
TCTCATTTAGTCAGTAAACATTTATTAAATATTAACCAAANNNN
Table1 3995
CGCGTCCGGACGTACTCTGAAGGCTCCTGACCCCCAGATGAGCATCCTTGTGTCCGTTAACTTCT
GTGTTTATGAACAGGTGAGGCCAGAGACAGGCAGACGAGCAGATGTATTGCAGGGAGCTGGATGACATGGC
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CATGTGGAATGTGATCTCTGTTGGGTGCTGGTGGATCCCACAGGTGGTCTGGCATGGAAGAAGGCCAGAGG
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GTGGCGTGGGCTTCTTCAGGTGCTGGTGGATCCCTCAAGATGCTTTTCAAGGTTTTTCTATGAGTTCTGTT
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GCAGTGTGGCAGAGGAAAGTTGGGTGCGACTAAGGGGTATGCGGTGCCCACATGCCACTGGGTCCTCAGCA
GTACCACCTGATTGGAAGTGATATTGGTGGAAGACAACATTTTGCCGCTTGGAATTCTCACCTCCACACCA
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CACTGGCCGCCGTTTTACATCCTTGANN
Table1 3996
ACCGTGTTATGCAAATTAAGCACTTTTCTTCTAAATTCACATGAACTTTTAGAGACGTAGACTAT
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GGAGCCGCCACCAAAATGCAGATTTTCGTGAAAACCCTTACGGGGAAGACCATCACCCTCGAGGTTGAACC
CTCGGATACGATAGAAAATGTAAAGGCCAAGATCCAGGATAAGGAAGGAATTCCTCCTGATCAGCAGAGAC
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gccccttcgccaaggggccctttgataaatgggggccgggggttttgggaaaggcctttgcgcagaca
ttttggggaaaaggtgttgagcttaaggtttacacaaacccaagagaccggttccttgtttggg
Table1 3997
NNNCAAGGTGCACNTAATCNGAATGCCGCGGACTNCAGCAGNACCGGNCACTGGCCCTCACTTCA
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TCTAACAACATTATTATTATTGAGAAGAGCAAGATAAGATATTTGCCAGTTCTGCTTGAATCTTTGCCTGG
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AATTTGTCCTGAACATTACCTTCACAGAGTAAAACTGTGCTACTGTCAATCTTAGACCATTTGATTGTTGT

Table 6
685/3331

CACTGAATTTGCCATAATCTGTAGACTAAAACTCACATACCACCCTTCTCTTACCACAGAGGTATCACTAT
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GCATCCATCCCCAAGCGCTGTCTTAACTCCNN
Table1 3998
NATAGCGCCGGGCAGAGGGACCCGGCTACCCTGGACAGCGCATCGCCGCCCGCCCGGGTCGCCGC
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GGGTATCCTCACCTTGTATAATCTTGGAATCACACTTCTCTCCGCGTACATGCTGGCAGAGCTCATTCTCT
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CCTTCGGTTGTCTCATCTTCCAGTCATCTTATATGCTAACGTTAGTCATCCTCTTCTTAAATTTTTATGTT
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GCACTGAATTCGTCAACTCTTTTTTGTGAGCCTACTTGTGAATATTACCTCAGATACCTGTTGTCACTCTT
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Table1 4000
ACAATTGTTTTAGAAGATAATTTGTTTTTCTCTCTTCAGTTTCGCATATTACTAAAGACAAATCA
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Table 6
686/3331

TACTTAGGCTTTTAAGTAGGCTCTGATGGAACTTTGTTCCATAGCAGGAATCTCAGATAAGACTTTGTAAA
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GAAACCCTGTTCAGGGACTGTGTATACAGAATATGAGGCCAGTTTTTCCAAGGGCTTTATTGGCTCCGTAA
GTCAAGTTTGATTCCTTATAAGGAAAGCACATGATTCCAGNNNNNN
Table1 4001
ACTTTTTTTTTTTTTTTTTGCTCCCAGTGGCGGGACACGGNGGCTTATTTTTACTCTTATTTAT
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Table1 4006
NNNNNNNNNNNNNNACTCTATGTTTCTCTACATATTTCAGGCTGAGCCGGGCTGGCGGAAGAGGC
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GACAAAGTGGCAGACATGAAAGAAAGCCTTCCTCCAGCTGCAGAGCCTTCTCCTGTAAGTAAAGAACAGTC
CAAAATTGGCAAAAAGGAGCCTGGTGACACAGTGCACAAAGAAGAAAAGCGGTCAAAACCTAACACAAAGA
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ATAATATAAAATATTGAACACATTCTTTATCANNN
Table1 4012
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GCTACTTGGGAGGCTGAGGCAGGAGAACCGCTTGGAGGTTGCAGTGAGCTGAGATTGTGCCATTGCACTCC
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Table1 4015
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GACGCACACAGCCAGTTCTCTGCTTCATATTCATGTGACCCACTGTGAAGTGACAGGCAGCTGCCAATTCT
GTCATATAAGAAGCAGCTCTGCCCATGCAACTTTGAAAGTTCCTGCACTTCTCCATAGACTGCTCCTTCAT
GGAAATAAACACATCATCACACTGTGGGTGCCTAAGCTAAGTTTGTTTGCAGTTTGATGATGCCCAGCTCC
TTTTCAACTCAGCCTTAATTGGCACTTTAAGGGCCAGGATGAGGTTTCTCTCAGGCCAAGTCGAGATTTCC
AGATTTCCTTTTGTCCAAGGCTGACCAGTTTAGAAGTTATTCACATCCTTGTTTTAGTTCTTTCCTTCTTG
TCCTGGTACCTCTTCCTTTCCAGGATTATTTGCAGAGTCTGTGATGGCTTACTTGGTGACCAGACATGGGG
TGAGCTACTGGTATAGTCTGATTACTTTGACATCTATTCTGAACTGGTCATTGGCTGTACATGAGTTTTTG
TGCTGGTAAAGGAATATACTGGGAAGATTGGAAGGCACAGACTGGGAACTAATTCTGAGAAGAGAACTGCT
GAGTTACTGAAAGACCTTTTGGACCACCCCTAAATGGAGCATCTTGATAGATGGCAAATCCAGTGTTTCTT
AAACTTGTCCATGCTGCCCAGAGCCCACTGCCTTTTATCAGATGTGAGACTTCACTGCCACAGTGTCATCC
CACAGTTTCCTTCCCTGGACATTTGATAAAGGGAAAATCATTTCTTGTCCTTTAAGGCAGGGACTATTATT
TTTTCACTTTTCCACATACCCCACAACACCTAACATTGATTTACTCGTAGTAGGAGTTTCATACTGTTGAA
CTCTCTAAAGGCCATTTGTTCCAGGGCCTAGCTGGGCTTGTGAAGGACAACAGAGTCATTTCCTAAGGACC

Table 6
687/3331

CCAAAAGACAGCATGAAGGAAAAAATAATAATAAACTGCTGTTCACAGTGCCTTGAGTGTACCACCGTCCT
TTCTGCTATGCCTTGTCCATTCCAATCTGGACAGTCTCTGTGCCCCTCCTTTCCACTCAAGTGTTATCCAG
CACTCAAGTTCTGGCTCAAGGCCCAACATCTCCGTGGGGACCTCAGCCATCCCAGGGCATTGTGACCCCTT
CCTCTAAGTCCCCGGCACACTCGCTGATTGGTACCCTCTCATTCGACAAAGCATATGCCATTGTGGCTTAC
TTGTCATTTCTTTAGGTCTTGCCTTCCCAAGTAGATCATGAGCCACTATAAGAACTAGCTCCCATAGTCCC
AGCCCCTGGGCCTGGTACATGGCAATGCTTAGTGATTGGTGATTGAGGATAATGGTGGTAAAAGGATGTAC
CAGACACGTCATCTCCTGAAGAAGAATGCCCGAACAACCTGTCCTTGTTTTAATGTACTTTCTCTTTCTTT
CCTGTCCAGTTTTATTTCCTCTCATAGTAAACTGGCTAAAAAAATATGTCAAGTTTCCTGGTCATCTCTTT
CCAACCCCTTTTTCTTCCCCTCTCCCCTGCATGGTTGGTCTGGGCCTGTTGGGTCCAACTAGCAACTCCCC
TTAGGTGTGGCTAAATCTGCCTCATGGCCAAAGCCAATCCCATTTCCTGTCCCCCGTTACCCAAGGACTCC
CAGTCTGTATGCACAAGGCGGGTTGTGAAGTCTGCATGTGCAAGAAACCCCAGCTGTAAGAAACAGCTTCC
CTCGTTGGCATGGGTGGTCATGCTAATATTCCAGCATTTGAGAAGGTCGAAGTGGGCAAATCACTGGAGCC
AGGAGTTCGGGACTAGCCTGGGCACATAGAAGATTACTTTAAAAAAAAAAAAAAAAAAAAAAATTGTGCGC
GCGGCGAGAANN

Table1 4017

TGGGAAGTGAGGTGTGGGAACCCGGCGGCGGTCTGATGAATTCAGTGGCAGTGAATTGAGACCGG
AGGGAATCTGGCCCCTAGAGGCTGGTACTTGGGCCCGAAACCCCCATCTCCGGCGGAGAGACCGTCCGAGG
TAATTGTCTGCCACGAGTGCACATTCTGAAAACAGGAGATTTTAGTTCCTAAAAATGGGAAGAACCTACAT
TGTAGAAGAGACTGTTGGCCAGTATCTTTCAAACATAAATCTCCAAGGAAAGGCTTTTGTCTCTGGCCTTT
TAATAGGACAGTGTTCGTCACAAAAGGATTATGTGATTCTTGCCACTAGAACGCCACCCAAAGAGGAGCAA
AGTGAGAACCTCAAACATCCCAAAGCTAAGTTGGATAACTTGGATGAAGAATGGGCCACAGAACATGCCTG
CCAGGTATCCAGAATGCTACCAGGGGGACTTTTAGTTCTTGGAGTATTTATTATTACTACTTTAGAACTGG
CAAATGATTTTCAAAATGCCCTGCGTAGACTAATGTTTGCTGTGGAAAAGTCTATAAATAGAAAGAGATTG
TGGAATTTCACAGAGGAGGAAGTCTCAGAACGAGTGACACTTCACATTTGTGCTTCTACAAAAAAAATATT
TTGTCGAACTTATGATATCCATGATCCAAAGAGTTCAGCAAGACCAGCAGATTGGAAGTATCAAAGTGGAT
TATCATCCTCATGGCTTTCTTTAGAGTGTACAGTTCACATTAATATTCACATCCCACTTTCTGCTACTTCT
GTCAGCTATACTCTGGAGAAAAATACAAAGAATGGACTTACACGCTGGGCCAAGGAAATAGAAAATGGTGT
TTATTTGATTAATGGACAAGTTAAAGATGAAGATTGTGACCTATTAGAAGGACAGAAAAAATCTTCTAGAG
GAAATACTCAAGCAACTAGTCATTCTTTTGATGTCAGAGTGCTAACGCAGTTGCTCCTGAATTCAGACCAC
AGATCCACAGCCACAGTCCAGATATGTAGCGGTTCTGTAAACCTTAAGGGTGCTGTGAAATGCAGAGCTTA
TATCCACAGCAGTAAACCCAAAGTTAAAGATGCTGTGCAGGCAGTAAAGAGGGATATATTGAACACAGTTG
CTGATCGTTGTGAAATGCTATTTGAGGATCTGCTTTTGAATGAAATTCCAGAAAAAAAAGATTCTGAAAAA
GAGTTCCACGTCCTCCCTTATCGAGTCTTTGTTCCCCTTCCTGGATCCACTGTAATGTTGTGTGATTATAA
ATTTGACGATGAGTCAGCTGAAGAAATCAGGGACCATTTTATGGAGATGTTGGATCACACAATTCAAATAG
AAGATTTGGAAATTGCAGAGGAAACAAACACAGCTTGTATGAGTTCTTCTATGAATAGTCAAGCTTCATTG
GACAACACAGATGATGAACAACCAAAACAACCAATTAAAACTACAATGTTATTGAAAATTCAGCAAAACAT
AGGTGTGATTGCAGCATTTACAGTTGCAGTCCTTGCTGCGGGTATCTCCTTTCATTACTTCAGTGATTAGG
GTGAGGCACAAAGAGTTTCTTGATCATCCAGAGAACATTGACAGACAATTATGAATAATAAAGATGTTAAC
AATCCATCTGTATTTAAAACACTAGCAGCCAGATCTGCTGCCATGATGCCTATTTGGTGTGTTTCTGATTA
AAATGAAATCACAAGCTGCCTTGTTTAGCCTGCTTTACATTGTAGGTGGCCCGCATTTCCAGAAATAACGT
TATGCATCTAGATGGAAGCTGCATGTAACAAATCATTATTATCTATTTTTAAAAGCTTCAAAATGATGGGA
TATGATCATAGATTTTAGTCTTACTAATCTGAATCACATATTAATCAGGACATTAAAAACTTTAACAGAGG
CATGATGGCTCACACGTATAATCCTAATGCTTTGAGAGGCTGAGGTAGGAGCATCACCTGGGGCTGGGAGG
GAGTTGGAGACCAGCCTGGATGACATAATGAGATTCTGTCTCTTCTGGAAAAAAAAAAAATTAGCTGGANN

Table1 4019

GGACATCCGGCTGATGGTCATGGAGATCCGCAATGCTTATGCTGTGTTATATGACATCATCCTGA
AGAACTTCGAGAAGCTCAAGAAGCCCAGGGGAGAAACAAAGGGAATGATCTATTGAGAGCCCTCTCTCCCA
TTCCCTGGCAGGTACCGAGGTCATTTTGCTTCCTATAGACTGCCACCTTTTGGCAAAAGCTGTTCTAACTC
CATCTCAGCATTTACAATTCCATACCTGGTGGTCAGAGGAGGCCCGCCTGCAGGCTCAGCTAAATCGGGCT
GATGGCATTCCAATTACTCAGGCTCAGCTCACAGGCTCCGATAATTACTCTGATACTACTGCTCATTTAGG
CTTTGATGCTCTCACCACGGAACAAGTAACAAAGGTGTGTATGAGAGCTTGGGATAAATTACGCACCCCAG
GCCAAGCTTCTGTTTCTTTTACTATTGTTAAACAGGGTCACAATGAATTATATCTTGATTTTTTAGCTAAA
TTACAAGATGCTGTTGAAAAATCTGTCTCTGATGAGCACACTCAAGGTATTCTTCTTCATATGTTAGCTTT
TCAAAATGCGAACCATGAGTGTAAAATGGCCGTGCATTCCATCCTACGTCAAAATTTACCTGATCATGAGG
TGTTGCCTGCATATATTAAAGCTTGTGAAGGCGTTGGATCGGAGACCCACAGAGCTATTCTGTGGGCACCG
GCCATGAAGCACGGCAACCAAACTGGCTCGACTGATTCTTTTCTTGGAGCCTGCTATAATTGTGGCCAACT
TGGTCATACCCAAAAAAACTACACTGTTAAAAACTTAAAAGCGGCCAAGCCGGCTCAACAAACACGGCCAA
ATGCTCCTGCTACTGT

Table1 4020

GTTGTGTGACTGTCTTATTTCTGGGATTCCAGATGCCCATGATAAGAGTGAGTTGCTCCTTGCCT
GTTCAACTCACCCACTCCACAGGAGTCACTGAAGGCCATGAACAAGTCCCAGTGTGCAGTAGCCCTGTGCA
GGGTTCCCAGCTTCCTCCCCTTTCAGCCCAGCATCTGTTTCTTCCTTCTGCCCACTCTCAATGCCTCCCTT
CTGAAGATCTGCTAGGAGTGTACCAGTTTTCCTGATGTCCCAGTCCTTTGGTGGGAAATGTTCCTCCTGCC
TGGGTCTAGTTGGCCATCTTGGAGCCCTCTGTGTGTATTCTTCCTCTATTTTTCCAAAACAAGTTACCATA

Table 6
688/3331

AATGCAACAGCTTAAAATAACCCAAATTCATTAGCTCACAGTTATGTAGGTCAAAAGGCCAGACCAACTCA
ACTAGGTTCTATGTTTAGTTTCTCACAAGACTGAATCCAGGTTGTCAGCTGAGCTGTGATCTAATTTGGAA
TATCTGAGGAGGAAACTGATTCCAAGTTCATTCAGGTTGCTGACAGAATATAGCTCCTTGTGGTTGTAGGA
CTTAAATCCTTATTTTCTTGCTGTTAGCCATGAACTATCCTCAGCTTTGAGCCCCATTCATCTTTAAAGCT
AGAAATGGTAAGTTGAATCCTTCTCATGTTTCAAATCTNTNTGATTTCATTTTTTACNCCGGACN

Table1 4021

NNCCAAGTGGCCTACAAGAGAATACTGCTAAGGCTGTTAACACATACAATTTATGCAGGAGAATA
TTCCAAGCTTCCTGACTGCATCACACTTTTAACTTTTTCTTACATTCGAAACTACACTTAGAATCATAACA
AACTTCATTTTTCAAACGTTTGACTTTGAGGTGTGTACAAGTATACTCCGACTCTATAAACTTACTCTTCT
TTAAAGCAGATCATCCTATTTATCATAAGATTATTAAAAATGTATACCTTTGCTTTTATTTGCCATAAAAA
AAGCTTTCTTTGGAATAAAATAGATTTTTATCCAAAGATGCAGAACTGTTTTCAAGATAAATCCAATCTGA
TCAATTTGACAGATTAAGACTCTCTTCAATAGTAATTCCTCAAATTATTTAAATAATTTATGAAACAGTAA
AGGCTTAAAATATGAATTACATAGCCTTAAAAGTTCTAGATCCTTCATGGATTTTATTTTTGGTTTATTAT
TGCAGGAAAATTACATACAAATCTTTTGAGAAAAATAACAAAACCAAGACTTTTTTTCCCAGTTTGCTATA
AGCGAGCTCAATAAAT

Table1 4022

AGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGCCACATCTCTTTGTCCCATTAGTTGA
GATGACTTTTAGTAGTTTATTGTCCACAACTCTTCTGTGCAACTCTTCTGACCTCTGGGACTACTGCAACA
GTAGCCCTATTGCGAGATGGTATTGAACTGGTTGTAGCCAGTGTTGGGGACAGCCGGGCTATTTTGTGTAG
AAAAGGAAAACCCATGAAGCTGACCATTGACCATACTCCAGAAAGAAAAGATGAAAAAGAAAGGATCAAGA
AATGTGGTGGTTTTGTAGCTTGGAATAGTTTGGGGCAGCCTCACGTAAATGGCAGGCTTGCAATGACAAGA
AGTATTGGAGATTTGGACCTTAAGACCAGTGGTGTCATAGCAGAACCTGAAACTAAGAGGATTAAGTTACA
TCATGCTGATGACAGCTTCCTGGTCCTCACCACAGATGGAATTAACTTCATGGTGAATAGTCAAGAGATTT
GTGACTTTGTCAATCAGTGCCATGATCCCAACGAAGCAGCCCATGCGGTGACTGAACAGGCAATACAGTAC
GGTACTGAGGATAACAGTACTGCAGTAGTAGTGCCTTTTGGTGCCTGGGGAAAATATAAGAACTCTGAAAT
CAACTTCTCATTCAGCAGAAGCTTTGCCTCCAGTGGACGATGGGCCTGATTACCAGCTGGGACTTAGAGTT
TCTGTGCAACAGTTTTTCACTGAGCATGTCAAGAAACTGATAAGATCAAAAAGGTCTCCTAACTCACTAGA
TCAGCGCACAAGTCAGTGTAAACCACTTAGATAGTAGTAGTTTTTTCATAAATGCTCATCATATTTATGTTCCG
CTGTACATGTTCAGTATAAATATATGTGTAGTGAAGCTACTGTGAGTCTTTAAATGGAAAGAGCAAATGAG
AAGTGGTTTGGATACACTTGATGAGAGATGAGAGTGTCACATTAATAATTTTTAAGACTCTTAGGCAGCTA
TGGGTTTCTTTTGATCATTTTTGTTCTTTATTCATTTGAACACGTTTTTGAAGTTCTTCAAAACTAGTCAG
TTTGAATTTTGACAGCTATTCAATATGTGATCTCCAAGTTTAAAAAAATTTTTTTCCAGACTTCCCTAATC
CTAAAATGCGAGTTTTTTATTTTTAATAACTGTACCAAGGAATAAGTATGAAAACAGTTCTCTGTTACCATA
TTTTGTATTCTGGACCACTTACTGGTGAAAGCAACCATGCAAAAGAAATTAATTTGGCCAGGCACAGTGGC
TCATGCCTGTAATCCCAGCACTTTGAGAGGCCAAGGTGGGTAGATCATCTGAGGTCAGGAATTCAAGACCA
GCCTGGCCAACATGGTGAAACCCTGTCTCTAGTAAAAAACAAAAAAAAAAAAATTGGGGCCGCGCCCCAGAA
GGTAACACCGCGGGCCCGCCCAAAAAAAGCACACGCCCAAACCGGCCGGATGGGGTCCCAAAAACGGGGCG
GGTCAACCCAGGTGGCCGCACAGCANNNNNNNNNNNNNNNNNNNNNNNN

Table1 4024

ACTCTTTTTTTTTTTTTTTTTGGTaGagaCAGGGGTCTCACCATGTTGCCCAGTATGGTCTCAAAC
TCCTGAGCTCAAGCAATCTACCTGCCTTGGCTTCCCGaGgtgCTGGGGTTACAGGtATGAGCCACCACACC
TGGCCTTGAAATGTATTTCTTAAATAAGCCTTGAaggtcaaaATTACtcCTTGAACCATTTGCTCCAaaAT
GGATAgTgtgTTGATAGGCCTGAAAACAACATtcatttccTTgtACGCGGGGGGGCATCACGGACCTACCA
ATATGTGATGTCACCCCTGGTGGCCCAGCTGTGTCATGGAGAAACTCCAGCTGGGCCCAGAGATTCTGCAG
CGGGAAAATCCAAGGCTTATTTATGCCAGGCTGAGTGGATTTGGCCAGTCAGGAAGCTTCTGCCGGTTAGC
TGGCCACGATATCAACTATTTGGCTTTGTCAGGTGTTCTCTCAAAAATTGGCAGAAGTGGTGAGAATCCGT
ATGCCCCGCTGAATCTCCTGGCTGACTTTGCTGGTGGTGGCCTTATGTGTGCACTGGGCATTATAATGGCT
CTTTTTGACCGCACACGCACTGGCAAGGGTCAGGTCATTGATGCAAATATGGTGGAAGGAACAGCATATTT
AAGTTCTTTTCTGTGGAAAACTCAGAAATTGAGTCTGTGGGAAGCACCTCGAGGACAGAACATGTTGGATG
GTGGAGCACCTTTCTATACGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTGGAGCAATAGAACCC
CAGTTCTACGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGAACTTCCCAATCAGATGAGCATGGA
TGATTGGCCAGAAATGAAGAAGAAGTTTGCAGATGTATTTGCATAGAAGACGAAGGCAGAGTGGTGTCAAA
TCTTTGACGGCACAGATGCCTGTGTGACTCCGGTTCTGACTTTTGAGGAGGTTGTTCATCATGATCACAAC
AAGGAACGGGGCTCGTTTATCACCAGTGAGGAGCAGGACGTGAGCCCCCGCCCTGCACCTCTGCTGTTAAA
CACCCCAGCCATCCCTTCTTTCAAAAGGGATCCTTTCATAGGAGAACACACTGAGGAGATACTTGAAGAAT
TTGGATTCAGCCGCGAAGAGATTTATCAGCTTAACTCAGATAAAATCATTGAAAGTAATAAGGTAAAAGCT
AGTCTCGCTCTAGAGGGCCCGCGGTTCGAACAAAAACTCATCTCAGAAGAGGATCTGAATATGCATACCGG
TCATCATCACCATCACCATTGA

Table1 4026

NNNNACGCGTCCGGGCTTGGGGGACACAGAGAAATCTCAGATGATGTACAGGTTTCCAGGTTGTA
CACTAGTATTTAACCTAGACGTGAGGAAGGAGTAGGAAATTTTCTGGTGAATACAGAAGAGCAAAGAACAG
CAGGTCAGCAGGAATGACTAATGTTTTTCTATGCATGTTTAATGGAATATTCGTGTAGGATATTTTGAGTA
GGTAATTGGATAATCAGCATTTGTAACTTGCATCCTAGTAGTCTGACTCTCACTAATAAGACTTGTCAAAG
TTCCAAGAATCTGAAAGTGGATGATAAATGTCCATGTGTATCACCATCCATGACCGAAAGTCAGCATCCAC

Table 6
689/3331

AGAACACAGAATTGGGACAGATGAACTTAATAGATAAAGATGAATATCGGAGTTGTTCCTCTTAGGGAATG
ATACTCTCCATGACCTGTGTGAGTCACAGCTGCCAGAAAAGAAAGAGCAAGGAGCGTATGAAGGCAGCACA
GCAAATTCAGTCCTAGAGTGCCCTGCTTGACTTCATGTCATAGTTCTGACTTCTAATAAATCATTTTCTGC
AAAATATGCTCTGTGATTTTTTCCCTCTTGCTGCCTGCAGCCAAACAGAATCCCTTTAGCAGGGCATTTTT
GTGTTCTTCCTTTAAACAAGGCAACATATAAATAATGAAAACAAGAGAAAGAGTGGTTTTTGTATGGGATA
GTATTTAACGTAAACTTGAGAGTGAGT
Table1 4028
ACAAAGAAGAGCATCCGTTCGAGAAGCGCCGCTCTGAGGGCGAGAAGATCCGAAAGAAATACCCG
GACCGGGTGCCGGTGATAGTAGAAAAGGCTCCCAAAGCTCGGATAGGAGACCTGGACAAAAAGAAATACCT
GGTGCCTTCTGATCTCACAGTTGGTCAGTTCTACTTCTTGATCCGGAAGCGAATTCATCTCCGAGCTGAGG
ATGCCTTGTTTTTCTTTGTCAACAATGTCATTCCACCCACCAGTGCCACAATGGGTCAGCTGTACGCGGGG
GGGCAAAAAAATCAAGGTATTTGGTCCCGGAACAAAGCTTATTATTACAGACAAATAAAACACCAAAAGCT
TTAAGTTATTTGATTTGTGGAGCAACAGACCTTGTTATGAGCAAAATGAACCGGGACTGGAACCCTGGTCN
NNNN
Table1 4029
ACGCGGGGGCACAAAGCTGGAATAACCCTGCCAGTTCTTAGAAGCTTTAAGATTCATCGTCTTGA
ACTTGATACACATAGTATAGCACCTTAAAAACGAATCATCTGCTAGTTCAGTATTTTCTACTTACAATCAC
TCCCTCCCAGGGCATGTAATTAATTTACTGAGCTTAAAAAAAAATATCAGGATTACTCACACAGTCTTGAA
GATGCAATGTCAGCTATTTAGGACAGAAACATCCAAGGCCGTGTCAGAACTCAATTACGACTACATATGCA
TTAAGGCAGGAACTGGCAGGCCTCAGGGTACGCCAACTATAGGACTCGTGCTTCTCGTACGCTGGGCTATA
ATCTATGAAACTGAGCTCCAGAGCCAGCCAATCACTTAGCTCCTCATAACAAGTCTAACTGGCTCTGGAAA
GCTGAAAGGGCTGCACTGGAACAACACAGATGAGATATTCTACACATTAATCTACTTATCTGGAATCACTT
TGCCTCTAAAGGCCAGAGAAAAATCACAGCTTCCTTGTCGGAGGGGAAAAGGACAGGTGATCTGGGGAAAA
CGCAGCTACACCTGGAGCAAGGTCTCTTCCCGGCTTGGCAATCTCAGCTGTGCCGGCGCTACGGGACCCGA
GCCGTCCCAGAAACCAAAGGGCAGGCACGGCAGCAAACGCCTGAGTGCTGCTGCCTTCGGTGACTATATGA
GAATGGAAACTTCTAAGGAAGCCAGGTTGTTAGAATTGTTACCCCCTTTACTCAGAGATAACATAGATTAT
CCAGGCTGAGATGGAAAACAAGCCCTTTATTGAATTTTCAACACAGACTCCCTGCTTCTCATCTCCTTAAT
AAAATTTCATTAAAATCCCCTTGAACTCCCATGTTCAAATCTCCATTTGTTGACAGACAAAGCCAACAATA
CTCTAAACTGAGGCCTGCAAGTCATTTCATTTGTATTTTTGTCCAGAAATTTCCCATAGGAAGACTTCACC
TCCTACAACTCCGAAGAAAACCCTTACTGTCCAAGACCGTCACCAGCAACCATCCGCAGTCATTCAAGTGG
AAGCTTTCACAGCTTTTGTACATTCTCTGTGTCAATATACAACTGAGTTACAGACTGTCCCCTGGCTCCCT
GACCCTTACAAACACTAAAAGTTTTGTTTGACTCAACTTCAAGCTGCTCATCTGTTAGTAAGTGATGTTCA
CTCCAGAACACATTCATGATGAGAACTTTCTAAAAGACCAGCACTGCTCTTCCCCTCCTATAATCATAATA
ATCATGATAACCTGAAACATGTTACTGGGACTCGACATTTTTCTGGGGATTGAAATCTTTAGTCCTTGGAG
CTGTCACATAGCAGGGGCAACCTCACACTGAAACAAAGGAAGTGATGTCCCATTATTATCCACCCTGAGCC
ACCATAATATGCTGTTTACATTTATTTTCTTCAGCCTGTGCAAAACAAAGCAATGGAAAAGGAAACTAAAA
AATATACATACTAGTACCATTATCTTCTTTTGCCTAAAATTACTAATGCACCACGTCAGTCTGCTTCCTTC
AGGCATCATTCTCAATTCATCAGGACTTGTATTAGCAGGTTCTGGCTAGAGAGACTATCTCCTGTCATCAC
GATCAATTAATGTTTTCTGGTGATCACATCAGGCCCTATCTAAGAAGCTCATGGTATACAAGGGTCACCCA
AATAGCTGAGTGCAGTCCTTGCTCATATTTCCTTCATCTTAACCCCGCAAACAAGAATTAAGATGATCCCA
ATAAAAGAAAAATTGCTCAGGAAACTGAACCTTTTTCTGAACCAAGCACTGTCAGCAAATCTCAGGTATTA
GAGCAACTATGGTTGATTGAAAAGTGTCTCAAAATCTGGGCCAAGAATGATTGCTAGGTCCATAAGCTAAT
TTGTCTGGCCTTGCCATTTACGTAAGCCAAAGAAAGTCACTCATGAGTAAACTATAGAAAACGTTCAGACC
CATCCTGTTAGTATGTCAAATCAACTAAGACTGGCAGGGTATTAACTCCATTCCAGGTGACATGGATAAAG
AGCCCCATTATTTTCACAGTGCCAGCCTCTACCTAAGGAAACCCTAGACCTTGGAACCAGTTTCCTGGTAG
GGAACTGCTGACAGTTTCAATGCTGACAGTTGGAGCCAATGCCTCATAGTGTAAACTGAAAGAAAAATAGT
TGCTTTTTAAAATGTCAGCAAGAAGGCCTGCCTCATCTTAACAAAGCAAAAAAAAAATGCTTTAATTCAAAT
TAAAAATCATGATACTAGAGATGGGAGTCTGTGGTCACTATAAAGATAAAGTTCATGTTCTTGGTTCAGAT
AACAAAACACTTTATCTGGATAAATGGACCTCAAAATTTGCTCTTGGCACATGGGGGAAATTTTTTGTTGT
ATTTTGTTGTTGTTGTTGTTCTTGTTGTTATTGTTTAAATTAATCTTCCTAAGGCCATGAATATGAAATCA
TATTAATAATGCATGTGACAAAATTCTAAAATATATTACACTTAAAATTAGCATAAACCATCAACTTTTAG
T
Table1 4030
CtacTAtaGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGAACAGCATATTTAAGTTC
TTTTCTGTGGAAAACTCAGAAATCGAGTCTGTGGGAAGCACCTCGAGGACAGAACATGTTGGATGGTGGAG
CACCTTTCTATACGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTGGAGCAATAGAACCCCAGTTC
TACGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGAACTTCCCAATCAGATGAGCACGGATGATTG
GCCAGAAATGAAGAAGAAGTTTGCAGATGTATTTGCAAAGAAGACGAAGGCAGAGTGGTGTCAAATCTTTG
ACGGCACAGATGCCTGTGTGACTCCGGTTCTGACTTTTGAGGAGGTTGTTCATCATGATCACAACAAGGAA
CGGGGCTCGTTTATCACCAGTGAGGAGCAGGACGTGAGCCCCCGCCCTGCACCTCTGCTGTTAAACACCCC
AGCCATCCCTTCTTTCAAAAGGGATCCTTTCATAGGAGAACACACTGAGGAGATACTTGAAGAATTTGGAT
TCAGCCGCGAATAGATTTATCAGCTTAACTCAGATAAAATCATTGAAAGTAATAAGGCTGGTAGCAAGTTC
TGGATCTTATACCCAACACACAGCAACATCCAGAAATAAAGATCTCAGGACCCCCCAGCAAGTCGTTTTGT
GTCTCCTTGGACTGAGTTAAGTTACAAGCCTTTCTTATACCTGTCTTTGACAAAGAAGACGGGATTGTCTT

Table 6
690/3331

TACATAAAACCAGCCTGCTCCTGGAGCTTCCCTGGACTCAACTTCCTAAAGGCATGTGAGGAAGGGGTAGA
TTCCACAATCTAATCCGGGTGCCATCAGAGTAGAGGGAGTAGAGAATGGATGTTGGGTAGGCCATCAATAA
GGTCCATTCTGCGCAGTATCTCAACTGCCGTTCAACAATCGCAAGAGGAAGGTGGAGCAGGTTTCTTCATC
TTACAGTTGAGAAAACAGAGACTCAGAAGGGCTTCTTAGTTCATGTTTCCCTTAGCGCCTCAGTGATTTTT
TCATGGTGGCTTAGGCCAAAAGAAATATCTAACCATTCAATTTATAAATAATTAGGTCCCCAACGAATTAA
ATATTATGTCCTACCAACTTATTAGCTGCTTGAAAAATATAATACACATAAATAAAAAAATATATTTTTCA
TTTCTATTTCATTGTTAATCACAACTACTTACTAAGGAGATGTATGCACCTATTGGACACTGTGCAACTTC
TCACCTGGAATGAGATTGGACACTGCTGCCCTCATTTTCTGCTCCATGTTGGTGTCCATATAGTACTTGAT
TTTTTATCAGATGGCCTGGAAAACCCAGTCTCACAAAAATATGAAATTATCAGAAGGATTATAGTGCAATC
TTATGTTGAAAGAATGAACTACCTCACTAGTAGTTCACGTGATGTCTGACAGATGTTGAGTTTCATTGTGT
TTGTGTGTTCAAATTTTTAAATATTCTGAGATACTCTTGTGAGGTCACTCTAATGCCCTGGGTGCCTTGGC
ACAGTTTTAGAAATACCAGTTGAAAATATTTGCTCAGGAATATGCAACTAGGAAGGGGCAGAATCAGAATT
TAAGCTTTCATATTCTAGCCTTCAGTCTTGTTCTTCAACCATTTTTAGGAACTTTCCCATAAGGTTATGTT
TTCCAGCCCAGGCATGGAGGATCACTTGAGGCCAAGAGTTCGAGACCAGCCTGGGGAACTTGGCTGGACCT
CCGTTTCTACGAAATAAAAATAAAAAAATTATCCAGGTATGGTGGTGTGTGCCTGTAGTCCTATCTACTCA
AGGGTGGGGCAGGAGGATCACTTGAGCCCAGGAATTTGAGGCCACAGTGAATTAGGATTGCACCACTGCAC
TCTAGCCCAGGCAACAGAACAAGAACCTGTCTCTAAATAAATAAATAAAAATAATAATAAAAAAGATG
TTTTtcCCTACAAAAAAAAAAAAAAAaaa

Table1 4032

NNNNNACACAGTCCAATGATGCTAAAAAGCAAGCACATATGTAAGTCTGCAAAATAACCAGCTGA
CAGCATGACGACAGGATAAATTCCACACATACCATTACTAACCTTAAATGTAAATGGGCTAAATGCTCCCA
TTGAAAGACACGGGGCAAGCTGGGTAAAGAACCAAGACCCACTGGAGTATGCCGTCTTCAAGCAACCCATC
TCACGTGCAGTGCCATACATAGGCTCAAAATAAAGGAATGGAGAAAAATATTTCAAGCAAATGGAAAACAG
AAAAAAGGTGTTGCACTCCCAGTTTCTGACAAAACAGACTCTACCAATAAAGATAAAAAAAGAGAAGGACA
TTACAAAGGTGGTCCTGACCTTTGATAAATCTCATTATTGCTTGATACCAACCTGGGCTATTTGTATTGCC
CAAACCAATAGGATAATTTGCTGAGGTTGTGGAGCTTCTCCCCTTCAGAGAGTCCCTGATCTCCCAAAATT
TGGTTGAGATGTAAGGTTGATTTTGCTGTACAACTCCTTTTCTGAAGTTTTACTCATTTCCAACAAGGAAG
GCAAGTTTTCCTGCTTCCATGACGATGGAGAGCAGGCACCTCCTTTCCTGAGTTTCAGCTTGCTTCTGACA
GGGAAGGTGAGTGTAAGTTTTTTCCAGCTTCTAAGATGGCAGAGAACGATCACCAGCCTGAGCCTTATTTC
CAGGTAAGTAGCTGAATTAGAGTTTTGTCTTAAAATTTTTCCTTAATGACTAAAATTTAAGATTACCCACC
AGCTGCTTTTAATTTCTCCTTACCATTAGAACACTCAGTAATCATATGAATTGTGCATTTGTTTGTTTTGC
TTAACTCTTTCTGTTTGTTTATGTTTGGGGTTTTATTGTTGTTGTTTCACTTTTCTCCCATCTCTTCCTGA
CTTGGTCAAATCCAAAGGAATGTTCCAAATTGTGGGGAGCAAGGCATCTGAAATGGCTAAAACTCCTGTGG
CTGCAAAAATAAACTCAACAAGTTTCCAACTAACCACCCGAATGCAACCAGACAAAAGCACGAAAGCAAAG
GAAAAAACCCAATAAATAGAGACGTGGCGAACAACCACGCACACAAAATCAAGCAGCACAAAAAAGGGTGG
GCCGCCGCGAAACTATACAACTGTTGGGCCCGAGAAGAAACGACAGCCTCACACCGGCAGTGGTTCCAAAG
CGGGGCTCAACGTGTTACTGCCCACCCGACACCAGCAACAAGCACGACAGCTCGCACCACACCAGGAGAGC
AGAGACAGCGGCAAGGACAACACGCGAGCGGCCAAGGCGCCGACCAGCGAAGAAACAAACAACCCCAGAGA
GACACACAGAAGACGCAGAGACAAGAAGCAAAATCGCGACCCGCGCAGAGACGCGACACGCGCACGCACGG
ACGAAGACAGGGAACGGAACCGCAGAGCAAGCACGAACACGACACACAGCAAGCAGCCAACGGCGGCCGCA
ACAAGGGAGCCAGCAGCGGGAGAGAAAGGAGAGGGAGGACGCCGACCCCGAGCACGAACCGGAGAACCCCA
CCAGGCAAGACAGAGAGAAGCGAGCGAGACAGAAGGCAGAGAGGGTCGCGACGGAGCGCGGGAAGCGCGCA
GACCAGAGCGCGAGAGAGCTAGAAAGCCCGAGGACAGCGGGCAGACGGCCAGGCGAGCAGAAGCACAGACG
GACGCGCGAGAGAGGAGCAGCGAAAGACGGCCAAGAGGCGTAGCGAGCGGAGGCAGAAGGCGAAGCCAAAG
GAGCAGCAGCACCGAAGCGAAAGACAGAGACACGAAGACTGACGAGCAGACCAGAACGACGAAACGCAAGG
AGCACGAGAGAGGACGAGCAGCAGGCCGAGCCGAGCAGGGAGCGGAACGCAGGAGCAGAGAGGAAGGCAGG
AGCAGCAACCAGCACAAACGGACAGAGGGCGGAGAGGACGACCAGCACGACGGCACAGGGGGAGACGCGAG
GACGGCGCGAAGCGACAGCACGGGCGCACGTAAAGAACAGAAGCGGN

Table1 4033

NACTCTAGTCAGGAGGGTCTGGACTAATGGGAGGTGGTGCTTGGGGACGAGGATGCGTACTGGAA
GGTGGACCGTCCCTTACTTTCTGTTAGGTTAGATCAAGCTGAGTATCTGTGGCTTTCTTGTAAAACTGGTC
TTTGGGGAGCATTGAGTTGTAAATCAAGTAAAATTATTGTGACTGTGTGTATATGCTGGGGTGGTTGGTTT
TCCAAAGAGAGATGCGGTGGACTTTGATGTACGCGTTGATACTCAAGACCAAGGAATGTACCGCTTTTTAA
CATCACAACAACTTTTTAAGCTACTGGACTGCTTATTAGAGTCACATAGATTTGCAAAAGCGTTTAATTCC
AACAACGAACAGAGGACTGCCCTGTGGAAAGCAGGATTCAAAGGCAAATCCAAGCCCAACCTTCTGAAGCA
GGAGACCAGCAGCCTGGCCTGTGGGGCTGCGCATTCTCTTCCGGATGTACATGGATGAGAGCCGCGTAAGT
GCCTGGGAGGAGGTCCAGCAGAGGCTTTTGAATGTCTGCAGTGAAGCACTAAGTTACTTCCTCACTCTAAC
ATCAGAAAGTCATCGAGAAGCCTGGACTAACTTACTGCTTTCGTTTCTAACTAAAGTTCTAAAGATAAGTG
ATAATAGGGTAAGTATGAGGCTTCGAATCCAGCCCCACATTTCTAGCCCAATTCGCATTGGGATGCGGGGT
CCCAGAGCCGCCGTGCAAGAGCTCTCAGAGATGAATCAAGCAGTGCCCAGGCTGCACTGCTGCTTGTGCAA
AAGCCACCAGTGGCCTTTGCTGTATCTTCCTCAGTCCTTGCTTTTCTCCCCCCTTACCCAGCTTTGTTCAC
TAATTAGCAGTTCTCTAGGGGATTCAGTAGGCGAGGGATCAGAATCCCTTGGGATACCTTGACAAGTTCCC
ATTATGACCCCAGGAATCTCCCCCTTTGCCCCATTTTGAAAACTGCTGTCCAACCACCTCATGGCCTTGTA
CTCTGCCTACTACTCAAGACTACATCTGGTTCCTGGGCCTGTGCTCTGGGCTGCAGCTGTTCCTTTGGCAT

Table 6
691/3331

ATTTAGTGGTTCCAGGTAACCCAGAGTCCCTAGTGAATGGGCCTCATCTAAGAATTTTAAACCAGTAGAAA
TAAAGATAAAATACACATATATGACTGTAAATATAAGTGCATATTTAAGGTTTTCAAAAATGTACACTCTA
NNNNNN
Table1 4034
NNNNATATGGGATATTGTAATGGGAGAGCAGGAAATTTAAGGTCGGAGGTATTTGTTTAGGATAC
CTCAGTATTCTAGAGCTATGGGATTTATTTTGCTTTGAAGTCCAGAGGTATTTAGCTTTATTCTAAAAGCG
ATGAAGTTCCTCTTAATTAAAGACGCTCCTGGAAAAAAAAAAAGGAAAAATTTAATGCTGTCTTTTAAAAG
GAAACATGCCAAAGGCCAGGATTTGTTTGATCAGATTGTGTACCACTTGGACCTTGTGGAAACAGATTACT
TTGGCCTCCAGTTCCTCGACTCTGCCCAGGTTGCGCACTGGCTGGATCATGCCAAACCCATAAAAAAGCAG
ATGAAAATTGGACCTGCTTATGCTTTACACTTTCGAGTTAAATACTATTCTTCAGAACCAAACAACCTTCG
TGAGGAGTTTACAAGGTACCTGTTTGTTTTACAACTCAGGCATGACATTCTTTCTGGAAAATTGAAATGCC
CTTATGAAACAGCTGTGGAATTAGCTGCTCTCTGTCTACAAGCGGAGCTTGGGGAGTGCGAGCTTCCAGAA
CACACACCAGAGCTTGTGTCTGAGTTTCGGTTCATTCCAAATCAGACAGAAGCAATGGAATTTGATATCTT
CCAGAGATGGAAAGAGTGCAGGGGAAAGAGCCCTGCCCAGGCGGAACTCTCCTATCTGAATAAAGCGAAGT
GGCTGGAAATGTATGGGGTAGACATGCACGTTGTCAGGGGAAGAGATGGCTGTGAATATTCTCTTGGACTG
ACCCCGACAGGCATATTAATCTTTGAAGGAGCTAACAAAATAGGCTTATTCTTTTGGCCTAAAATTACCAA
AATGGATTTTAAAAAGAGCAAATTGACACTCGTGGTGGTCGAGGATGATGATCAGGGACGTGAGCAAGAGC
ACACGTTTGTGTTCCGGTTAGACAGTGCCAGGACCTGCAAACACCTTTGGAAGTGTGCAGTTGAGCACCAC
GCATTCTTCCGACTGCGGACGCCAGGAAACAGCAAATCCAATAGATCCGACTTTATCAGGCTGGGCTCTCG
CTTCAGATTCAGTGGGCGGACAGAATATCAAGCTACACATGGCTCCAGGTTACGAAGAACCAGCACCTTTG
AGAGGAAGCCTAGTAAACGTTATCCATCCCGGAGACATTCAACGTTCAAAGCAAGCAACCCAGTGATAGCA
GCCCAGCTCTGCTCTAAAACAAATCCAGAAGTCCATAATTACCAGCCTCAATATCATCCTAATATCCATCC
CAGCCAGCCCCCGGTGGCATCCTCACTCTCCAAATGTCAGGCCATCCTTTCAGGATGACAGGTCGCATTGGA
AAGCATCGGCCAGTGGAGATGACAGCCATTTTGATTATGTCCACGACCAGAACCAGAAGAACTTAGGAGGG
ATGCAAAGTATGATGTATCGAGATAAACTCATGACTGCACTTTGAGAGACTGAAGCATCTCTCTTCCATTC
ACCTTCATAGTTTCATTGCATTCCATGAAAAGTGTCTTGGCCTCAGATGGATGGATGTGTTTGGACGAGTG
TCTTTAAGGAGTAGTCCTGAAAGGTGTTTTTGGTGTCCATGTAAATATTTGAAGATAAAACCACTATAGCT
TGTCATAATTTACTGTTGACTGCATTCTCATTAAAATGAAGGTAAAGGCTCAGGAATCATATTGATGTTCT
GATTTTAAAATTGGAGTCAAAGTCTATGTTTATCATTTTACTATGTTCCTGATGTTCTTTGTTATTTAATT
AATGGGAGCAAATAAAACCAGAAGAGCTTGGGAAGATTGCTCAGCATATATTCCTGTCGTAGAAGTTGAGA
TTGCTAGGGTCCAGTTTCCCTAGTGTGGCCTGGACGAGTCATTTCCCCTTCATTGACCTCATTTTCCCCAT
CTGAAAAGAGAGGGTTGGACTAAGTGATCTCCAAGGTCCTTTCCAACTCTAAAATTCTGCAATTTGTTAAC
ATTTCATTTTGTTTAGGTTGAGGACATACATTCAAACTAATTTTATCACAAGGAAAACTGCAATACCCACT
TCCTTGACAGAGTTACTCCTTTCAGAAGCTAAATAAAGTATATAACTTATTAGATGTTATATAGATACAGG
GGGACTTTGAATTTCACATCTTAAAGCAGTTGAGCTACTTTGAATTTAAGCAGTCGTACTAATCTTAAATT
GCATAGCATTTGTTTTGATCGAATTTGCTGCTCAAGTATGGGAATAATTTTTAATGTCTTAATGATTGGTG
CTGCTAACTTGCGTGATTTCAGAAGACATAATTGTGAATACACACTGTCAGAATTGGGGGATTGGTTTTTA
CCCTAGACTTCACTCTTAAAAAGCAACGTGCAATCAAGATCATTTATGGCTCAAATGAAAGCATATAAGGT
TTTCTTGAAGTTGTGCCAAAGCATTCTGTAGAGTAGGATGAGATGGTTGTTGCCCTAGTCTGTTGGTAGAA
CCAGAAATCAATATGTTGTCTTTTAGGTTAAAGCTTGTACCAAAATATTTATTTCCCCCATTTCAAGCCCT
GAGTCAAACATTTTTTTCTCTTAATAATAGACCTGAAATGTTTTATTAGTATTTCTGTGAAATCAGTTGAT
TCTTGTGCCATTTTTGTATATGTAATTGTAATTTTGCCCATGTTAGGCCCTCTAAAAAATGTTTGACATCC
TTTGAGATATTTTATTACTAAAATCTGATCTTTTTTTGGCTACTGCAAAAATCTATTCAGCAAGAAGGTATC
AGCTGCATACCTTGCACAGTGGAGCTGACTACCTATAAACTCTCCCTAAGGCATTTGTTTACAGGTGTATT
CCATTTTAGCAGACGTTCTGATGCTCAGTGTATGTGCTGCATACAAATAAATGTGTTCTGAATCTTTTCAT
CTTATTGATAGCATTTTTACAAATGTGTTTCCAAGGAATAAAGATTATTCTTGCAAAAAAAAAAAAGGGGG
GTGAAAATTCGAGCGGATAGCCCTTTGAAGCCAAGAGAAAAGAGAGAAATGGAAN
Table1 4035
GACGCGTGGGTTTTTTTTTTTTTTATGCGCTAAAGTTACAGGAACACGATCCCTAGTTTTCATT
GATAGTAACGCTGCATCTAATTTGGGTTAACCACATTAATGCTTACCCTGCTGCTCATCTTTCTCAGGGAA
GCAACTTCAGGAACACTCCTTTCACTTCCCTTTTTACCAACAGATGTTAGGACTGTCATTTATCTACACAT
TTGTGTTCTTTAGAAAAAGGCCCACCCCCTGCACAAGCACAGCCTCTTGGGCAGATAGGTGGCTGGGTCAG
TGCTTAAGACAGGATTCTAGTCTTCACTTGCCTGTGCAGCTGGGCGCTGACCTTCCAGGTAGAGCACAGAT
GGCACAACCCCGAGGCAGCCCCAACTTGCATTTCCCTCCCTCCAGGGGCTATTCCTGTCTTAGGCGATTTG
TGGGGTGCAGTGAATGAAACTAAAGAGTTGTTGCACCTGAAAAAGACACCAGTGATTGTTTATTGGGTAGT
CGATTGGAGACTTTGATTTTTTTTTTTTTTTTTTCACATGGGAAAGTCTTAGATTCCAGTAGATGGAATTG
CAATCCTTTGCAGTTTGTTCTCATTACAGATAATCAACATTTCTTTTGTATAATTCAATACATGATCATCA
AGTTAATTGGTAAATTTTTATTGAAATTTAAAACTTGCATTTTTATATATGTGTATGTGTACACATAAAAA
TATTTTTTACCATATGAAAATTGCAGTAGCTAATTTTCTGATTTCCTATTTTATAATGATACATGGGCTGG
AAAAATGTAGAACGTTTTTATATTCTAGAAATTTATTTTGGAAGTACATTTTTATAAGGGTCTAATCTCAC
TTTTGGAAAATGAAAGCACAGGAATGATGGGGTCTGGTTTATGTGAACAAGTGAGTAGAAACCCCTTTGGA
TCATTTTATTACTGCATTTTTATTTGGTGCTTTTTAGGAAGTAGATCTTTGGTACCACTTCACTACGTAGA
GCATTCGAAGTTTTATCCATGTTATATATTGTACTCCTGTGGCATGAAAAATAGCTCCCAAGATATAGAGA
GGAGAGGAGTGAAGAAAAGGCTGTGGTTTTTTTTTTGTTTTGTTTTGTTTGCCACTTTTTTATCTCCTATTC

Table 6
692/3331

CTCACCACATAGTGCTTTTTCCTGAAAAGCTGGACTGAGAATTGGCCTTGAATCAGGTCAGAGTGTTAACT
GTCAACATGAAGTATTTTCACTTCGCAGCATCAACTTTCAAGCATAAGTAAAAACACAACTTGCATACTTT
GATGGAGCTTAATTGTGTGAGTAGAATATGTAGCAAAGCTTTTTAGGATTTTCAGAACTAGAATACTTTTT
AAGGAATTAAAAGTGTTTCTGGAAGTCAAAAATGGGAAAGCAAAAAGTAGCTGTCCTCCCTAAAGAGCTTT
AGAAGATAGCTTAACCTGTAGGTACATGTTATGAAATAAACCTTTCTAACATACCAGGAGTAGGGCAACTG
TGTGAGATTGCGGGGGCTACTTGAGAGCCCACCATACATTGGTACTGCCATACCTATTCATCTAACGAGGC
ATACCGGGGCAAAGGAGAGCTTTATTGCATGCACCCTCGACAAAACGCCGGCCTAGCAAACCTTCCTCGCT
AGCCTCTGTGTCTTCTTCAAATAGTGATTATTGTTTTAAAGCAGACAACACAATAACAGCAACACTCCAAC
ACACACTCTACTAGATAGGCAGACAAGCTAGAACACACAAAACACAACACTCATCACAAAAGGAAGAGAGG
CAGGCGGAGAGGAGCACACGACACACGAAGCAAGGAAAGAAACGACTGGACAGAAAGCACAGAAGACCAAA
GAGGGACGAAGAGCGAAGCAGGAGGACACGCGCGAAAAGAAAAAAGGGCAGAGAAGGAGAAAAGCCGACGA
CCACCACGGAAAAAAGACGGGCAGAGGCGGACCGGGCAAAGAGCAGGAAGGGAGCCGAACGACAAGACGAA
GAGAGAACCGGGAGCGAGAACAGAGAGAAGAAATCGATGAGACGAGACGGGAGAAAACGAGAAGAGGGACA
CAGAAAGGAACCGGGAGAGAGAGAAGACCAGGAAGACACGAAGGTAAAGAGGGCAAGGACGAACGAGCAGC
GAACAGAACGAGCGGCAACAGAGCAGAGCGAAAGAACGAAGCGAAAGAGAGAGAAGACGAGAGGAGCGAAG
GAAGAAGACGCAGAAGGAGAGAACAAGCGAGAGAGGCCGAGAAGGCAAAGAACGAGAGGAGCAGACGACGA
GAACAGAACAGAAGACGAACGAACAGAGAGATAGCAGAGCAGTAGACGGACAGAGAAGCACAAAACGCAGA
GCAAGAGAGCGGAAACACAAGAGACTAGAGGAGACGAGAGGACGCGAGAACGGACAGCCGAAAGCGGCAGA
GAGGAAACCAGAGCAAAGCAGAGACGACGACGGAGCAGAGAGGGGAACGAGGCCGAAGACAACAGAGAGAA
GGAGGCGGACGCGACGACGGTAGCAGAACGCCACAGAGAAGAGAAAGAGACACGGAGGACGAAGCCGAGAG
GGAGAGACGCAGGACGAGCAGAGANNN

Table1 4036

CGCATTTTATTAAAACTTGAAAGCTATGGCTTGCCGCCATCAATGACGCCTATTGGGTTCCAATA
GCCTCATGTTCAAATCTGACTCGTTAGCAAATCCACCCAACTCAACATCGGTCATCTTGACATTGCAGGAT
ATTCAGCAAGTCTGAAGTTTTTAATCGGGAAGGATTTTCTACCGTTACTGAACAAATAAAGGTTCTTTGTA
GCAATGGCTGGAAATGCAACCCCGCGTACAGGACCAGCTCGGGGGGGTGTGGCACCGAATGGAAATCCATG
AGCAGCACGTAGCCAACCAGCAGGAGGAAGGCGATGTAGAAGACCACATTCCAGGAGAAGACCACGAAGGG
GNAGGTGAAGAACGCCACATAGTACCAAAGCAGCTTCTTGTGCTTGTCGACAGGTTTCTTCATAAATGATA
CAAAGCCACAGCCCACCAAGGGTATAATAAACAGACACAGGATAATCTTCCAGTTCTTGGTGTCTCGGGAA
ATCTCTCCATACCATTGCTTAGAAAGAAAATTCTGGACCCCAGGCTGGGCGATGAAATGCTGGTCTGTGGC
CTCCACCGCCAGCTCCAGACAGTTGCTTCCACCCCAAGCTTCACAGGAATAGACCAGCAGCTGTTCTGCCA
AGTCTTCATCGCTGCTGTAACACTCAGTGAACAGCTCAACAGCCCGGGTCTCGTACTCATTAGCCAGCTCC
TCGGACTCCCCAGCAGCATTGATGTCGTTCTTCACTTTGGCCAGAGTCTTCAGAAGCTTGCTGGCTCCCAG
GGCTGCCAGAGTGCAGCCCCTGGTCTGCTCCCAAATGACTTTGGAGAGTTCCTTCTTATTCTGAAGCCTCG
TGCCGATTCGGCACGAN

Table1 4037

NNCTGCGGCCCTTCTTGTGCACCTCTGCTTAAAAGAGCTCACAGTGTTGGCTTTCATAGCAGAGC
AGTCTAGGAAATTTTGTACTCTGGTTCCAGGGCTCAGAGTAGCAAGAGTGCTGGGACCTGTCTGAGAAGCA
GTGCTGGGCTGTGGATGCTTGCCTGTGGCACCAGATGCCTTACAGTGGCCAGGAATGCTGCGGGACAGTCT
ACTTTGATTGCTTTCTTTCCTCCATGGCTGAGATCTGAGTGTAGTGTTAACTGGGCTTAAAAATCAAGTCC
GTTGTATCTGCATGGTCACGTAGTTCGGCATCTCATGGCTTTTGCACCTAGAGGTGTGAACCATAATACCT
GAAACACAATTTCATAACCTGGCTCCTTGGGCTTAGCCTATATGGTGGAGGTTAGGTCTGTATATCATCAA
GACTGTGTCTTTGCATGGTTGTCATTCTGTTGGAATTGAACTTTCTTATTTCTGTAGGCCTAGGTTCTGTC
TATTCTTCTCAGACAGCTCATATGCTGCTTCTTCCCTTCAGCCTTCTCTGATACTTGTCCACTCCCCGCCT
GCCTACATCTGAGTACTTGCTTTCCCTCTGGACACCCCTGTGCCCAGTCCAACTCTCCTGTACAGACACCA
GCCCCTTTCCCCTGGTTTATAACTGTTGTGGGAAGTGGCGTGGAGTGTGATGGTCTGCTCATGGGCTGTGG
GGTCTGACAGCCTGACTCTTTGGCTGATTAGCTGAGTGACTTTGGATGGAACTAGAATATGAGTTCCTAGA
GGCTGAGACTGCAGTCTGATTTGGGTGTATAGCCTTGTGAACTTAATCCTGTGCCTGGCACACAGGAAGCA
CATCAGGAAATGCACGTCAAATGAGTGAATAAATAAATGAATGACCATACAAGGACTCCATGGTATATTCT
TGTAGATCATTAGTTAATTATCAACAATTGGCTAATGATTAATGTTTGCCTGAGAGGCTGACTTTTTGTCC
ATTAGTAATGACATCCCAGGAAACACCTGGCAGAGTTCGTCTTTAATTTCAGGAGTATTCTTTCTTTCTTG
GCAAATTTAACTATTAAAGAGAGAAGAAAGACAAGCACTTGATACTTTTTGAATCTGTAAGTTATAAACCT
GTCTTCTGTATTCAATGTTGTATATTAGCCACATTGCAAATGATTCTATTTGGATGGATGTGTGCCTGTCA
CCTTTCACATAAAAATTGATTGAGCCAGTCATAGTGGTATGTGCCTGTGGTCCCAGCTATGTGGTAGGCTG
AGCCAGGAGTCTTGGTTGAGCCCCGGAGTTTGAGACTGTAGGGGACTATGAGTGAGCCTCTGCACTCTAGC
GTGGGTGACAGAGCAAGACNNNNNNNNN

Table1 4038

ACGCGGGGGGATTATGTGTCTTGCAGTTGACAACGGCAGTGACCAGTGCCTTTTTACTAGCAAAA
GTGATCCTTTCGAAGCTTTTCTCTCAAGGGGCTTTTGGCTATGTGCTGCCCATCATTTCATTCATCCTTGC
CTGGATTGAGACGTGGTTCCTGGATTTCAAAGTGTTACCTCAAGAAGCAGAAGAAGAAAACAGACTCCTGA
TAGTTCAGGATGCTTCAGAGAGGGCAGCACTTATACCTGGTGGTCTTTCTGATGGTCAGTTTTATTCCCCT
CCTGAATCCGAAGCAGGTAAAAAACTTGATTATTATTTGTGCTTGTATCTCTCATTCAAAGGCTCTGCTCT
TCCTTCCTTTCCCTACCCCCTCTGTTTCTCAATATACGTAGCTAACATCTAACAN

Table 6
693/3331

Table1 4042
NAGGATAGATAACTTTCACAGTACTTCTACAGTTGGAGAGGGAGTACTGACTGCTGATCTGGAGG
CTGGGACAAAGACTTCTGGTGCACAAGCAAAAAGAAGCCTTATATACCATTTACCTGTATCCAAATTTCCA
GCAGCCAACGATGGCGAAGAGCCTCATAGCAGATGTGGCAGTGGCCGCCACTTCCCATGACAAAGGGAGGT
AGGCATGATTCATCTCTAGTGCATGGGGACGGTTGCCTTTTGCCCCAAATCAACTCAAGACCCCTTTCCAC
CATATGTCTGTATGTAACTCTAAATGCATCTCTAAGACTTAAGAATAAAAAGCCACTGCTACCTGGCAAGT
GGATGAGGCAAAAGAGAAGACATACCCCAAAGAACTATAGCACTCTGCTCCAAATTACAGAACTTTCTAAA
CTATGTTAGT
Table1 4043
NNNNNAGTAAAAAACATCCATGATCTCCAAAAACAGTCATTATTAAAATCTTACAAATCATATTT
CCAAAAAGGTTTCACAATTTTTAAAAAGGAGTCTCTCATCTCCCTCACATCATGCAACCTGGCTTGTCCTT
TGGCCTGGCTACATCATGGCAGGGATCTCTGAAGACACTGTGTCCAGGGGCTGCCAGTGACAGTCCATCAG
AGCGTCATACAGCTCCTCACTCTGTTCCATGAACTCCTTGTTGGCCTCAGTCACATCCAGCTGTGGCATGG
GGTCTTCCAATGCATCATCTCCAACTTCTTCATATGTCTGCATGGTGCTCTGGGTATAGCCATACTGGGGG
TAACTGTAGCTGTAGCTGCCTGTGTTCTGGTCATAGCCCCACTGAGCATAGTAGTTCTGGTACTGCTGATA
ATACTGGTTGTAGCTATAACTGTACATCTGACTATATTCCACTGGCTTTACACGGCTCGCTTTAGGGATTG
CCACGCTCAGCCGCACAGGCTTAGACCCCAGTCCCACTGCTCCCTGGCACTCCGTCAGGGCTCGCTTCTGT
TCCAGTTCATCTGTGAATTTCACAAAACCATAACCCTTAGACACGCCTGTCTGGTCCAAAACCACCTTGCC
TCCCCGACAGGAGGGGTAGACTTTGACGAAGAATTCATACAGCATGCCATCATCCACGTCCGGGGTCAGGT
CCCCCACAAAGAGGGAATACTCAGGGCTGTTATCTGGTTGTTTCCCGTAAGTGGCATAGTTCAGTTTAAAA
CGTTTCGCAGGTGTGGCTCCTGGAAGGGGTTTCCCATTAATTTTATGCAAACACTTCTCAGCTGTGGCCAA
ATCTGCAAATTCTACAAAGCAGTAGCCAGCTGGGATCCCAGTGAGGCGGTTTCGGATAATTTTGACGCTCA
TTACGGTCTCCCCCATGGTGGCAAAGGCTCTGGAGATGAAGTTCTCATCCATGTAGGGTTCCAGGTCGCCC
ATCCACAGGCTGGCCGCCATACCCGCGCACCGGGGTGGGGCTTTGCGGGCGGGGCTCTGCGGGCGGGGCTC
GAAGGCCCGCGCGGGCGCCAATCCTGGCTGCGGAGACCGCTACAGAGCATGCGCCTCCGACGGCTTCTGCG
CAGGCTCCCGAGCGCAGCGGCCCGGGTCGGGCAGTGTGTTCAGCTCCGGGTTTTTCCTGCAACCCACTGGG
CGCTAGGCTTCCGGATCGCGGTGGGCGGAGTTCAGGCTGGAATGGGGCGGGCCAGATACCACCTCAGCCTC
CCTAAGTGCTGGGATTACAGGTGTGTGGGCGGCAAGCCACCCAGCTGCTGAGGCGAGAGACTGAAGGCACA
AGCTGTTCCAGTATAATAAAGAAAATCCTTAAAAT
Table1 4045
TGTGGGACTCTAAgtGGATTTCTTAGCAGAAACCTTGCAGgTcAGAAAGAAGTGGGATGATATAG
TCAAACTGCTGGAAGAAAAACTGCCAGCAAAGTACTGTATGTGGCAAAACTTTTCTTTAAAAGTAAAAGAG
AAATAAGATTCTCAAAATCTGAGAGAGTTCATCACCACTATATCTGACTTAAACGCCAATGGGAGTCTGTT
AAATGGAAACAAAAGTATGTTCAACATGAAAGTATAAAATTAAATGATAAAGCTATGGACAAATAGAGaCC
TGCATATTATTGTAATGGTGAATCCTGCAAAAATGTCTCTCTATCCATCTCTCGAAGACTTGAAGGTAGAC
AAAGTAATTCAGGCTCAAACTGCTTTTTCTGCAAACCCTGCCAATCCAGCAATTTTGTCAGAAGCTTCTGC
TCCTATCCCTCACGATGGAAATCTCTATCCCAGACTGTATCCAGAGCTCTCTCAATACATGGGGCTGAGTT
TAAATGAAGAAGAAATACGTGCAAATGTGGCCGTGGTTTCTGGTGCACCACTTCAGGGGCAGTTGGTAGCA
AGACCTTCCAGTATAAACTATATGGTGGCTCCTGTAACTGGTAATGATGTTGGAATTCGTAGAGCAGAAAT
TAAGCAAGGGATTCGTGAAGTCATTTTGTGTAAGGATCAAGATGGAAAAATTGGACTCAGGCTTAAATCAA
TAGATAATGGTATATTTGTTCAGCTAGTCCAGGCTAATTCTCCAGCCTCATTGGTTGGTCTGAGATTTGGG
GACCAAGTACTTCAGATCAATGGTGAAAACTGTGCAGGATGGAGCTCTGATAAAGCGCACAAGGTGCTCAA
ACAGGCTTTTGGAGAGAAGATTACCATGACCATTCGTGACAGGCCCTTTGAACGGACGATTACCATGCATA
AGGATAGCACTGGACATGTTGGTTTTATCTTTAAAAATGGAAAAATAACATCCATAGTGAAAGATAGCTCT
GCAGCCAGAAATGGTCTTCTCACGGAACATAACATCTGTGAAATCAATGGACAGAATGTCATTGGATTGAA
GGACTCTCAAATTGCAGACATACTGTCAACATCTGGGACTGTAGTTACTATTACAATCATGCCTGCTTTTA
TCTTTGAACATATTATTAAGCGGATGGCACCAAGCATTATGAAAAGCCTAATGGACCACACCATTCCTGAG
GTTTAAAATTCACGGCACCATGGAAATGTAGCTGAACGTCTCCAGTTTCCTTCTTTGGCAACTTCTGTATT
ATGCACGTGAAGCCTTCCCGGAGCCAGCGAGCATATGCTGCATGAGGACCTTTCTATCTTACATTATGGCT
GGGAATCTTACTCTTTCATCTGATACCTTGTTCAGATTTCAAAATAGTTGTAGCCTTATCCTGGTTTTACA
GATGTGAAACTTTCAAGAGATTTACTGACTTTCCTAGAATAGTTTCTCTACTGGAAACCTGATGCTTTTAT
AAGCCATTGTGATTAGGATGACTGTTACAGGCTTAGCTTTGTGTGAAAACCAGTCACCTTTCTCCTAGGTA
ATGAGTAGTGCTGTTCATATTACTTTAGTTCTATAGCATGTTAAAGATGCAAGTATGCTATAGAACTAAAG
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GTCATCCTAATCACAATGGCTTATAAAAGCATCAGGTTTCCAGTAGAGAAACTATTCTAGGAAAGTCAGTA
AATCTCTTGAAAGTTTCACATCTGTAAAACCAGGATAAGGCTACAACTATTTTGAAATCTGAACAAGGTAT
CAGATGAAAGAGTAAGATTCCCAGCCAAAATATAAGATAGAAAGGTCCTCATGCAGCATATGCTCGCTGGC
TCCGGGAAGGCTTCACGTGCATAATACAGAAGTTGCCAAAGAAGGAAACTGGAGACGTTCAGCTACATTTC
CATGGTGCCGTGAATTTTAAACCTCAGGAATGGTGTGGTCCATTAGGCTTTTCATAATGCTTGGTGCCATC
CGCTTAAGATTATGTTCAAAGATAAAAGCAGGCATGATTGTAAAAGTTATTACAGTCCCAGATGTTGACAG
TATGTCTGCAATTTGAGAGTCCTTCAATCCAATGACATTCTGTCCATTGATTTCACAGATGTTATGTTCCG
TGAGAAGACCATTTCTGGCTGCAGAGCTATCTTTCACTATGGATGTTATTTTTCCATTTTTAAAGATAAAA
CCAACATGTCCAGTGCTATCCTTATGCATGGTAATCGTCCGTTCAAAGGGCCTGTCACGAATGGTCATGGT
AATCTTCTCTCCAAAAGCCTGTTTGAGCACCTTGTGCGCTTTATCAGAGCTCCATCCTGCACAGTTTTCAC

Table 6
694/3331

CATTGATCTGAAGTACTTGGTCCCCAAATCTCAGACCAACCAATGAGGCTGGAGAATTAGCCTGGACTAGC
TGAACAAATATACCATTATCTATTGATTTAAGCCTGAGTCCAATTTTTCCATCTTGATCCTTACACAAAAT
GACTTCACGAATCCCTTGCTTAATTTCTGCTCTACGAATTCCAACATCATTACCAGTTACAGGAGCCACCA
TATAGTTTATACTGGAAGGTCTTGCTACCAACTGCCCCTGAAGTGGTGCACCAGAAACCACGGCCACATTT
GCACGTATTTCTTCTTCATTTAAACTCAGCCCCATGTatTGAGAGAGCTCtGGATACAGTCTGGGATAGAG
ATTTCCATCGTGAGGGATAGGAGCAGAAGCTTCTGACAAAATTGCTGGATTGGCAGGGTTTGCAGAAAAAG
CAGTTTGAGCTTTGTCTACCTTCAAGTCTTCGAGAGATGGATAGAGAGACATTTTTGCAGGATTCTtctag
cCCACAAGGAACCggtcgcg

Table1 4046

TTTTTTTTTTTTTTTAAAACGAGGATTTGGCCATTCAAAAACAACAACAACAACAACAAAGCAAA
ATCCCACCACATACAAGAAGAAAAAGAGAGGCATGCTTTACAAAACAGCTATTTCAAAGTCATGATTTTTA
AAAAAACTATACAGAATGTGGAACGAAGGGGAAAAAAAAGTCTCATGTGGGTTGCGTCGGCACTGCAGCTG
CTCCTCATTAAAGCTCCTCTTTACTCCCTCTGGGCTAGTTTCCAGCAGAAAATTCTTTAAACAGAACTCTG
CTTTCAACCCACTTTCTTCTTGCACTGGGCCTCTTGGCCCCCCAATCCGCAGTGGCAGCCTGCCCTAGCTG
AGCTCTAGAGGGGGGAGCTGTCGTTAAGGTAAATGAGGTAAGGGCAGGGGAAAAAACTAACAAAACCCAGA
AACCAAATTAAGCATCGGTCAGCCCGCGTTAATTAATTCTAGAAGACTTCCGANNNNNNNNNNNN

Table1 4047

NNCAGATCCACTAACTCCCCTCCCAAGCCTGCAGGTAAAACCATCCCAGATCACCTTTATTCCTG
CTTTAGGGTTTAAAGAACCCCAGTGAGGCAAACAAATTAAAGACTGCAGATTTCTTAGGATGGTTAGACTT
GACACAGAAGAGAAAGAGGTACAACTGTTCATAGAGTTCAGTTTGACAATTAACATGTATATTAGTATGGT
TGCCTGTGTTTGTGTTATGTTTCACTGTGTTTCATCTTCCTGTGCCTGGGATCCCCCATGCCCTCCTTTCC
TATCTCTCTCAAAACCAGCTGTTTTTCCCCATCTGCTGCATTTTGGTTATAGATATTTATTTGTAGGTTTG
CTTTAAAACAAAACTCCTCTAAATCCTACTTGATAACCATCCATGCTCTTTACTCTCTCCTGTCCTGGGAG
CTCTCTTCCTAACTCCTGCCCTTCATTCTCGACGCCTGCCTGGCCTCCTTTTGGTTCCTTCTCTACAGCAT
TGCTTCCACCCACCAGCTGTAGTGCCCCTGTCCCTTAAGAGTATGGCAGTGCTCCTAACTGGGTTATATAC
CTCTGATTGTCCATTTTTAAATCTGCTACCAAGAGCN

Table1 4048

NNATTTGCCAGATTCCCCTTGTTTTGTCTTTCTAGCCAATAGAACAACACTAAAATATATGGAGA
ATTTAACTAACTTTTGAAAAAGAGATAACACAAGTTAGAACCAGAAGAAGTCATCTGTGCCATAAGTTTGT
GTCTTCTAAGAGCCATCAGCCCAGGCAAAATGAAGTGGGAAACTTGAAACTTAACATGTATAAATGATTTG
TGTTGTTTTGTTTTAATGCTAAGTACTCAGCAAAAAGCTGAGTTATTAGAAAATGGACACTAGCCTGTGCT
TGTGGGCATAAATTCTCCATCTATGAGAAGGCATGAATTGAGGCACTATATTGATTACATTATGTTGTTTA
TTCTCATATAACTCTCTATTGTAGAAACGATTTCTAGCCCCATCTTCAAGATGGGAAATGGAATCCTAGAG
AGACTTCATTTTTCTCCTATATTTGTATTTAGCAATTGCTATTGCTGCCATAAGAAAATAACACAGGGTGG
CTTGAACAACAGAAATTTATTTTCTCACAGTTCTGGAGGCTGGAAGTCCAAGATCAAGGTGCCAAGCAAGG
CTGGTTTCTCCTGAGGCCTCTATCCTTGGCTTGCAAATGGCC

Table1 4049

NNNNAATGAAGTAGGGCATCCTAAACCTGAGTGCTCTGCCTCCCCAGGTGATTTGATACAGTCAG
GTGTGGGAACTGCTGGCCTAGATGATAACCCCCTTTCATAGAACAGAGAGAAAAGGCAGAGAAAATGCTTA
CCTGTTGGAAAATCATTGTCCTGAGCCTCATTTGTACCATCTATGGAAAAAGCAATGGAAAATGAAGTGTC
AATCAAATAATGCACCCTTGGCTGACACAAATTAATTGAAGCTAAACCTAGAACCCTTCTTTCTCACCAAG
ATGGCAACTTCTCCCAATTGTTCTAAATATAAAATCCCGGTTATCTGTCACTTTACCCACTCCCCCTCTCC
CCAGTCCGATCTGTTGCCAAATCCTGTAGTTTCTACCTCCATAACGGAACTCGCAATCATCTCCTTCCATT
TCTCTCCATTCCAAATCTAGAAGAAAAAAGAAACCAAATACATTTAGTTTCATCAGCAAGTTAGAACCTTT
CTGTCAAAAATTTCAAGTGCTCATGCCTGTAACCCCAGCACTTTAGGAGGCTGAACN

Table1 4050

NNNNCGCGGCCGCGTCGACAGACGACAGAAGGGTACGGCTGCGAGAAGCCGCAACGGGTACGACT
GAGAGAAGGCCCGGAGGGGCTCTGCGTTCTGTAGTGGCGCTGCTTGGGCCCGTGGCGGATTGTAAGCTGCT
GGTTTGCGGCTGGGAAGAGCGGCGAGAGGGTTCGGCATTTTTCGTCGGGATCCCCGCAAGGATGAGTGCTG
CCAGAGAGTCTCACCCGCATGGGGTGAAGCGTTCAGCCTCCCCAGACGACGATCTGGGATCTAGCAATTGG
GAGGCAGCAGACTTGGGTAATGAAGAGAGAAAACAAAAGTTCTTGAGACTTATGGGTGCAGGAAAGAAAGA
ACATACTGGTCGTCTTGTTATAGGAGATCACAAATCAACATCTCACTTCCGAACCGGGGAAGAAGACAAGA
AAATTAATGAAGAACTGGAGTCTCAATATCAGCAAAGTATGGACAGTAAATTATCAGGAAGATATCGGCGA
CATTGTGGACTTGGTTCAGTGAGGTAGAAGACCATGATGGAGAAGGTGATGTGGTGGAGATGATGATGATG
ACGATGATGATTCACTGATCCTGAAAGTCCAGATGATTCTGAAAGCGATTCAGAGTCAGAGAAAGAAGAAT
CTGCTGAAGAACTCCAAGCTGCTGAGCACCCTGATGAAGTGGAGGATCCCAAAAACAAAAAGATGCCAAAG
CATTATTAAATGATGTGTTGTGTAATCCAGGGTCATAACTCCCAAAGCTTAGTCTTTGTTTAAAGTAGCCT
TTTGTTCATGCCAGGGGGACTGCTTATAGAGCACAGACCTTTTTTATTTATAAAAGGCCTTTAATATTACA
GAGGTGGTCAAGCCGGTGCACTTTGCGGCCTACCCTGGACGGAGGTGACAAAACCACTTTTTTAACCCCCG
GGGGGGGGGGGAGAAACCCTCAGGGGGGGGCGGGGCCACCCCGGGCGGCCGGCGCAGTTATTTATAN

Table1 4051

TTCAGGGGGGAAAGGAGGAGCTGGAGACAGATTGTAGGACCGAGCGCGGGCAGGCGGGAGGCAAC
GGAGCTACCAGCCGCTCCTCTCTGCTATATGAAATATGGGAGACGACAGACCGTTTGTGTGCAATGCCCCG
GGCTGTGGACAGAGATTTACAAACGAGGACCACCTGGCAGTTCATAAACACAAGCATGAGATGACATTGAA

Table 6
695/3331

ATTTGGCCCAGCCCGAACTGACTCAGTCATCATTGCAGATCAAACGCCTACTCCAACTAGATTCCTGAAGA
ACTGTGAGGAGGTGGGACTCTTCAATGAACTAGCTAGCTCCTTTGAACATGAATTCAAGAAAGCTGCAGAT
GAGGATGAGAAAAAGGCTGCTGCTGGGCCCCTTGACATGTCTCTGCCTTCCACACCAGACATCAAAATCAA
AGAAGAAGAGCCAGTGGAGGTAGACTCATCCCCACCTGATAGCCCTGCCTCTAGTCCCTGTTCCCCACCAC
TGAAGGAGAAGGAGGTTACCCCAAAGCCTGTTCTGATCTCTACCCCCACACCCACCATTGTACGTCCTGGC
TCCCTGCCTCTCCACTTGGGCTATGATCCACTTCATCCAACCCTTCCCTCCCCAACCTCTGTCATCACACA
GGCTCCACCATCCAACAGGCAAATGGGGTCTCCCACTGGCTCCCTCCCTCTTGTCATGCATCTTGCTAATG
GACAGACCATGCCTGTGTTGCCAGGGCCTCCAGTACAGATGCCGTCTGTTATATCGCTGGCCAGACCTGTG
TCCATGGTGCCCAACATTCCTGGTATCCCTGGCCCACCAGTTAACAGTAGTGGCTCCATTTCTCCCTCTGG
CCACCCTATACCATCAGAAGCCAAGATGAGACTGAAAGCCACCCTAACTCACCAAGTCTCCTCAATCAATG
GTGGTTGTGGAATGGTGGTGGGTACTGCCAGCACCATGGTGACAGCCCGCCCAGAGCAGAGCCAGATTCTC
ATCCAGCACCCTGATGCCCCATCCCCTGCCCAGCCACAGGTCTCACCAGCTCAGCCCACCCCTAGTACTGG
GGGGCGACGGCGGCGCACAGTAGATGAAGATCCAGATGAGCGACGGCAGCGCTTTCTGGAGCGCAACCGGG
CTGCAGCCTCCCGCTGCCGCCAAAAGCGAAAGCTGTGGGTGTCCTCCCTAGAGAAGAAGGCCGAAGAACTC
ACTTCTCAGAACATTCAGCTGAGTAATGAAGTCACATTACTACGCAATGAGGTGGCCCAGTTGAAACAGCT
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AGGAAAGCTCAGAGCCAACGGGTTCTCCAGCCCCTGTGATTCAGCACAGCTCAGCAACAGCCCCTAGCAAT
GGCCTCAGTGTTCGCTCTGCAGCTGAAGCTGTGGCCACCTCGGTCCTCACTCAGATGGCCAGCCAAAGGAC
AGAACTGAGCATGCCGATACAATCGCATGTAATCATGACCCCACAGTCCCAGTCTGCGGGCAGATGATGCC
TCCTCTGGTGGAGAGGTCCTCAGCCAGAGCTCGCCCGCCCAAGAGCCAAGAGAGATGTCATCTTATCCCCT
CCCATCTGCCTTGGACATGGCAATATGGGTGGGGGGAATTGTGTGTTGTGAGTAATGGACAGATATGGGGC
TTTTTAGCCATGTGGTCATGTACGTTTGACACCTGTGCTGGGGGCCTCCCAGCCCCGGAGCCTCATAGATC
ATCCCCCAGGGTGGGGTTTCTGATGCATCCACAGCCAAAGGCCTTTCCAGATGGTCCGAACAATCACCCCT
GCCCCATGCACGTGTATCTGTCTCTTTTAACACTAACCCTTGGCACTTCTAGGTTTGGGGTTTCTCAGTTC
CCTCTCTTCCCACTAAGCCGTGGCTGTTACCTTTTTGTTCCTTACCAGCATGCCACTTCCTGCCAGATAGA
GGGAGGCTAGATTTGATGACATATTACCCGCTGACCCAGCCCCAGCCACCCCATGGACTCAGGACTCAGGT
CTCCCATAGCTGCTTATTTACCCGTTTCCTTTTTCCTCTTCCTTAATTCTAGTTAAAACATTCACTTACGG
AGAATGTAAGGTTACCTTTGATGTATGAAGTAGCAGTATTTTCCAGTTTTTCCATAAGCTTTATTCCTTCT
CTCTACCTGCCACCAAAAAGAAAGAAACCCTCAAGAGTTCTAATTCTTTTTCATCTATTTGCAGAGCTATT
TGGGTACCTCATTTTGTCCCTTGACTTTAGTGTAGTGGTGGGGTCTTTCCCACCACCCCACTAAGCCTTGG
CAACCTCATTTTGTGGCCTTATTATTAAAGATTGCTTGGTAGTGAAAAGGGAAGGGCCCAGAATCTGACTG
GCTGATTCTGTCTCCTCCCCTCCCTCCTTCTTTAGTTTAACCATCAGGGCAGACAGGAACAAAGTATTTCA
AAGCTTGTTCCATCAAGTTAGGGATTAATCGATTCCTTTATGTTTTATAAGAGTTTACCGGCCAAAGCATA
TTGTCATCTTTGGTCATTTTTCTGCTCCTGCTTCTCTCTCTTCATTGGGGTATCAACATTACCGCCCCTGT
CTCTCTTCATTCCCCTATCAACATTACCGCCCCTGTCTCTTCTGTAACTACTTCAGACTCAGCCCTCCTGG
AGGCTGTCATGTAGGGGACTCTCGAGGTTCCTTTGTTCTACCCCATCTCTCCCCCCCGAANNN

Table1 4052

GGTGGCGGCCGAGGTACCCTTCCACTCCTACTCCACTTTGAGATATCCCACCTTTTTAGGTTAAA
CCAATATGTAGCCTCATGTATTGATTTATGACTTTGCCTGTAACCTCTGCCACGCTGCCTTTAAAAACCCT
TACCTGTGTAAGCCATCTGGGAGTTCAAGGTCTTAACCATGACCTCCCTGATCCTCCTTGCTTGGTGCCCT
GCAACAAATGCCCCACTTTCTCTCCCTGCAATCCCGATGTCAGTGTGTGGCTTTGCTGCTCTGGGTGGGCA
GACCCAAGTTCAGCAAGTAACCATTCTAAGGAGGGTGTTTACACCTTCTTCATGATCCCTTGTCACTGTTT
CATCCTAAATCCTGATTCCAACCCAATTATCTGTTCCTTCTCATCATCTCCCCTCTCTTTATTTCACT

Table1 4053

tCCGGCCTCTACTGTTTATTAGTTTTGTGAACTTGCCAAGCTCTTTCACTGTTTATGCCTCAGTT
TCCTCATCAGGAAAATGGAGAGAAATATAGTTCCCTCTTCATAGATTTTATGAGAATTAAGTGAGATATGC
ATTTAGTGTACAGAATAATGCCTGTCACATAGTAAGTATGTAATAAGCATTTATTATTACTTATCAGGGTA
TGATTTATGAATTGTGGAACCTGGGATTATGGGAGAGTCTGGCTTCAATCAAGGGCTGAAATTCCATTTCC
ACTGACATCTCTTCCTTCCCCATCCCCCGATTCTGTCCTGCAACAGGGTAACAAGAAGGGGCCCTTAGGCC
GTTGGGACTTTGATACCCAGGAAGAATACAGCGAGTATATGAACAACAAAGAAGCTTTGCCCAAGGCTGCA
TTCCAGTATGGTATCAAAATGTCTGAAGGGCGGAAAACCAGGCGCTTCAAGGAAACCAATGACAAAGCAGA
GCTTGATCGCCAGTGGAAGAAGATTAGTGCAATCATTGAGAAGAGGAAGAAGATGGAAGCTGATGGGGTTG
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ACTTGGTTCCATTAAAATTGGTTAACTTGCAG

Table1 4054

NATAGGGGAGTCGACCCACGCGTCCGCGAGGCAGGAAGTTATATGCTTTTTCTGGAGTCCTGTAG
AGAAAGTGCTCTCTGCCGCATTGATAGCAGCGAGAGCTGGAGGTGTTGGGTCGGGAGACCAGCCATTCGAT
CCCGCCGCAGGTAGGAGCTGGTTTCCATCCTGGCACCACGGCACACACCTCCAGCCTCGAGCCCGGCGCTG
CTGCCCGGGGGTCTCCTTCAGGCTCTTTGACGCCGTTCCAGGGGGCACCTATCCAGGCATCCTCTGGGCCT
CTAGCCAGAGGACTGGCTCCCGGCTTCAGCACTCCGGGCTGCAGTAAGAAGTGCCCTTATCGCTCTGAGCC
CTGCCACCATCCCGTGAACCACCGAAACCCTGGTCCAGCGCGACAGCCTTGGACCTGGGACTGGACGGATC
CAAAACGCTCAGCCTCGGCCCCCCACAGACGGGGCTCTGCATCGTCTCTGATATGTCACCCACCATCTCCC
ACAAGGACAGCAGCCGGCAACGGCGGCCAGGGAATTTCAGTCACTCTCTGGATATGAAGAGCGGTCCCCTG

Table 6
696/3331

CCGCCAGGCGGTTGGGATGACAGTCATTTGGACTCAGCGGGCCGGGAAGGGGACAGAGAAGCTCTTCTGGG
GGATACCGGCACTGGCGACTTCTTAAAAGCCCCACAGAGCTTCCGGGCCGAACTAAGCAGCATTTTGCTAC
TACTCTTTCTTTACGTGCTTCAGGGTATTCCCCTGGGCTTGGCGGGAAGCATCCCACTCATTTTGCAAAGC
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GGCCCCGTTGGTTGATGCGGTCTACGTTAAGAACTTCGGTCGTCGCAAATCTTGGCTTGTCCCGACACAGT
ATATACTAGGACTCTTCATGATCTATTTATCCACTCAGGTGGACCGTTTGCTTGGGAATACCGATGACAGA
ACACCCGACGTGATTGCTCTCACTGTGGCGTTCTTTTTGTTTGAATTCTTGGCCGCCACTCAGGACATTGC
CGTCGATGGTTGGGCGTTAACTATGTTATCCAGGGAAAATGTGGGTTATGCTTCTACTTGCAATTCGGTGG
GCCAAACAGCGGGTTACTTTTTGGGCAATGTTTTGTTTTTGGCCCTTGAATCTGCCGACTTTTGTAACAAA
TATTTGCGGTTTCAGCCTCAACCCAGAGGAATCGTTACTCTTTCAGATTTCCTTTTTTTCTGGGGAACTGT
ATTTTTAATAACAACAACATTGGTTGCCCTTCTGAAAAAAGAAAACGAAGTATCAGTAGTAAAAGAAGAAA
CACAAGGGATCACAGATACTTACAAGCTGCTTTTTGCAATTATAAAAATGCCAGCAGTTCTGACATTTTGC
CTTCTGATTCTAACTGCAAAGATTGGTTTTTCAGCAGCAGATGCTGTAACAGGACTGAAATTGGTAGAAGA
GGGAGTACCCAAAGAACATTTAGCCTTATTGGCAGTTCCAATGGTTCCTTTGCAGATAATACTGCCTCTGA
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TTACTATATCGTAGTCCTGCTGAGTTATGCTTTACATCAGGTTACAGTGTACAGCATGTATGTTTCTATAA
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AGGAGCATCAAACCAGAATTGTCGAACACCTGATGCTGTTGAGCTTTGCAAAAAACTGGGTGGCTCATGTG
TTACAGCCCTGGATGGTTATTATGTGGAGTCCATTATTTGTGTTTTCATTGGATTTGGTTGGTGGTTCTTT
CTTGGTCCAAAATTTAAAAAGTTACAGGATGAAGGATCATCTTCGTGGAAATGCAAAAGGAACAATTAATA
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CACAGGAGTATAAAATATTATTTTAAACAGCGAAATTAATAATATAAAATGCCAAATGGTTGAAAAAATAG
AAACCTTTCTGTATATTTGATCATATTTTTTTTTTGCCTTGTCAATGTATTTAAAGTTTACTTAAGGTCAG
GAAATTCTAAAACAACTTTTCTGGCCTTGTTATTTGATGTATATCTTTTAAATTTACTGACCAAAGCATGT
TTTAAGCTGCAATGCAGTAGTCACGGGTGGTAACCATGTAGTCAGGTATTGTTATTAGTACCTATCACTGC
TGAGCTGTATTTAAAATTTTGGTACAATATATAAAATGGAGAAGAGCTTGATATTCAGGTACTAACCACAA
CTAGTCTGACATTGTTGGCAGTTAAAATCTTATTTTGAATTGTAAATTAGTTAAATTTTATGTGGAATTTG
CTGAGAAAAGAATATAGACTACTGAAATGTCATTTTAGTTATTTTTCTTATGACCACATTGTACAAATGAA
TCTGTGTTAAAAAGACTATTTTAAATGTATTTCCTGCTTTTGTAAGCATTAAAGATTTATAAGAAAATTAT
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TTTTGGAAGATATTTTGATTCCTTATAAACTTTTACCCTAAGCTTATATATGTTTTCTGTCACAAGTGCTT
CCTGGCACACAGACAGCCAATGGAGGGGATCAAATTCAGTGTTGTATGTATGTTTATGGCAACATTTTGAA
AATAAAAATTAAATGTTTTTCTTCAAGTAGTTTTTTTTTAATTGCTGAGAGAAAAAAACAGTAAAGCTTTC
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AAGATCTCACATTTATGCAAATCAGGTACTGATTTTCATGTATTTACCAATTAACTTTGGTGAATACTAAC
GGTTCAGGGGGAGTGCTATTCCAAGAAAATTAGGTTTGGGTACTTACAATCCCGGTTTAATTAACCAGGAA
AGGTTGGGTCGGGTAGTTAACCGGCTGAAAATTTAAACCACAGTTGGAAAGAAGACTTAGGGCACATCCGG
GGAAGTCAACCGTTGGAAAACA
Table1 4056
aCAGTGTTTTAGGTGAAAATTCAAAAGTTTTTTTCCAAGTCCAAGTAATTTATGTTtgtAgTGGA
GTAATGATTCCTATACTAAGCAGTTttgTTTTCTTTAATTtgGTGAAGTTAGCATTgggtgttgccctcag
TtagGGTTagcaaTTATTCTTTACCCcACGTACGCGGGGGCACCTTCCTTCTGTCAATAGATGAAACAAAT
ACTTCATCCTGCTCTGGAAACCACTGCAATGACATTATTCCCAGTGCTGTTGTTCCTGGTTGCTGGGCTGC
TTCCATCTTTTCCAGCAAATGAAGATAAGGATCCCGCTTTTACTGCTTTGTTAACCACCCAAACACAAGTG
CAAAGGGAGATTGTGAATAAGCACAATGAACTGAGGAGAGCAGTATCTCCCCCTGCCAGAAACATGCTGAA
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ACCCAAAGGATCGAATGACAAGTCTAAAATGTGGTGAGAATCTCTACATGTCAAGTGCCTCCAGCTCATGG
TCACAAGCAATCCAAAGCTGGTTTGATGAGTACAATGATTTTGACTTTGGTGTAGGGCCAAAGACtcccaa
CGCAGTGGTTGGACATTatacACAGGttgttTGGTACTCTTCATACCTCGTTGGATGTGGAAATGCCTACT
GTCCCAATCAAAAAGTTCTAAAATACTACTATGTTTGCCAATATTGTCCTGCTGGTAATTGGGCTAATAGA
CTATATGTCCCTTATGAACAAGGAGCACCTTGTGCCAGTTGCCCAGATAACTGTGACGATGGACTATGCAC
CAATGGTTGCAAGTACGAAGATCTCTATAGTAACTGTAAAAGTTTGAAGCTCACATTAACCTGTAAACATC
AGTTGGTCAGGGACAGTTGCAAGGCCTCCTGCAATTGTTCAAACAGCATTTATTAAATACGCATTACACAC
CGAGTAGGGCTATGTAGAGAGGAGTCAGATTATCTACTTAGATTTGGCATCTACTTAGATTTAACATATAC
TAGCTGAGAAATTGTAGGCATGTTTGATACACATTTGATTTCAAATGTTTTTCTTCTGGATCTGCTTTTTA
TTTTACAAAAATATTTTTCATACAAATGGTTAAAAAGAAACAAAATCTATAACAACAACTTTGGATTTTTA
TATATAAACTTTGTGATTTAAATTTACTGAATTTAATTAGGGTGAAAATTTTGAAAGTTGTATTCTCATAT
GACTAAGTTCACTAAAACCCTGGATTGAAAGTGAAAATTATGTTCCTAGAACAAAATGTACAAAAAGAACA
ATATAATTTTCACATGAACCCTTGGCTGTAGTTGCCTTTCCTAGCTCCACTCTAAGGCTAAGCATCTTCAA
AGACGTTTTCCCATATGCTGTCTTAATTCTTTTCACTCATTCACCCTTCTTCCCAATCATCTGGCTGGCAT
CCTCACAATTGAGTTGAAGCTGTTCCTCCTAAAACAATCCTGACTTTTATTTTGCCAAAATCAATACAATC

Table 6
697/3331

CTTTGAATTTTTTATCTGCATAAATTTTACAGTAGAATATGATCAAACCTTCATTTTTAAACCTCTCTTCT
CTTTGACAAAACTTCCTTAAAAAAGAATACAAGATAATATAGGTAAATACCCTCCACTCAAGGAGGTAGAA
CTCAGTCCTCTCCCTTGTGAGTCTTCACTAAAATCAGTGACTCACTTCCAAAGAGTGGAGTATGGAAAGGG
AAACATAGTAACTTTACAGGGGAGAAAAATGACAAATGACGTCTTCACCAAGTGATCAAAATTAACGTCAC
CAGTGATAAGTCATTCAGATTTGTTCTAGATAATCTTTCTAAAAATTCATAATCCCAATCTAATTATGAGC
TAAAACATCCAGCAAACTCAAGTTGAAGGACATTCTACAAAATATCCCTGGGGTATTTTAGAGTATTCCTC
AAAACTGTAAAAATCATGGAAAATAAGGGAATCCTGAGAAACAATCACAGACCACATGAGACTAAGGAGAC
ATGTGAGCCAAATGCAATGTGCTTCTTGGATCAGATCCTGGAACAGAAAAAGATCAGTAATGAAAAAACTG
ATGAAGTCTGAATAGAATCTGGAGTATTTTTAACAGTAGTGTTGATTTCTTAATCTTGACAAATATAGCAG
GGTAATGTAAGATGATAACGTTAGAGAAACTGAAACTGGGTGAGGGCTATCTAGGAATTCTCTGTACTATC
TTACCAAATTTTCGGTAAGTCTAAGAAAGCAAcactactgttaaaaatactccagattctattcagacttc
atcagttttttcattactgatctttttctgttccaggatctgatccaagaagcacattgcatttggctcac
atgtctccttagtctcatgtggtctgtgattgtttctcaggatt

Table1 4057

ACGGAAACAAAAGAGATAATAAACTAATAGTTATTTAATATGCTGTAACAACAAATTAGAAACAT
TGAGAATTAAAGTGTGTTTTCTTTGTAACAAACTTATCAAGAGTAGTTTGAACAAGGGTTGCCCTTCTTCT
GGTATAATTTAGATACATATCAGAGCAAACATCTTTTCTGTGGCTTTGCAAGTTGTCATACTGTATTTTGT
TTGGATCAGCTTCCAACATTTTATCTTTTATGCTTTCAGTATTGTAAAATACCTCTCAGTTTTCTTTAGCA
TGCAGATTTTTTTTTTTTGTTAGCGTCTCTTCCTCTAGGACGTTGTCATTCTTTTCATCACTCCCACTTTC
TTCATTGCTAAGTTGGCN

Table1 4059

NNAGTGACTCCAGCCTGGCTAATAAAGCAAGACCTTGTTTCAAAAAGAAAGAAAGAAATGAGCAT
GGTGGGAATGGGGACAGATGGCAATGTTAAGTAGAGTGGTCAGGGTTGGCCTCATAAGTGAATATTGAGCA
AAAGTTTGAAGCAGGTGATGGAGCTGGCCAAGGTGCTGAGGGAAGAGCATTGTAGGCTGAGTCAACAGGAT
CTTTATCCTGTTGCATTAAGGAGGAAACTCTCTGGTGTGTCTGAGGCTCTGGAAGGAGGCCAGTGGAGCAA
AGAGATAGAGGGAGCGAAGTCAGCGAGGAGGCCAGGGAGTTGCTGGGCTGGGATCGGTACAGATCGTGTAA
GCCCTGGGACGCTATTGCTGGGGCTTTGGCTTTTACTCTGACTAAAATGGGAACCACCGAGGGCTTCTGAG
CAGAGAGGCGACATGATCCGTCTCCTGATTTAAAAGCACGACCTGGCTGCCGAGTTGAGAAAGACTATGGG
AAGATTTGGGTAGAAGCATGGGGGCCAAGCTGTGGCAACATCCTGGTGGGAGATGATAGTGATCCTGACCG
GATTCATGGTGGTGGTGAGAGATGGTCAGAGCCTGGATACGTGTTGAAGTCAGTCAGTAGGATTTCCTGAC
AGACTGGATGTGAGCTGTGAGAGAAGGCAGTGGTCAAGGTTGAGTTTGATTCTAATTGAATTATTAAGTAA
AAAAAACACTACTGCCTTTCTCAGTCCTACCAAGTAAAGGATGCTAGATTAAAGAAGTCTCAAGTCAGGCC
AGGTGCAGTGGCTCACACCTATGGTTCCAACAGCTTGAGAGGCAGAGATGGGAGTACCGTTTAAGGCCGTG
AGTTTGAGAGCAGCCTGGGCAACATAGCAAGACCTCCTCTCTACAAAAATAAAAGAAATGTAATAAAATAA
AATAAATATAGCNNN

Table1 4060

ATTAATTAAGTCGGGGGCGGAAGGAGCGGCGTTACTTCCTGGAGACTTCAGGTGTGGTAGCCGGC
GCCGCGCCCATAGCCGGACGGGGATCTGAGCTGGCAGGATGAATGTGGGGGTGGCACACAGCGAAGTAAAC
CCCAACACCCGAGTGATGAATAGCCGAGGCATCTGGCTGGCCTACATCATCTTGGTAGGATTGCTGCATAT
GGTTCTACTCAGCATCCCCTTCTTCAGCATTCCTGTTGTCTGGACCCTGACCAACGTCATCCATAACCTGG
CTACGTATGTCTTCCTTCATACGGTGAAAGGGACACCCTTTGAGACTCCTGACCAAGGAAAGGCTCGGCTA
CTGACACACTGGGAGCAAATGGACTATGGGCTCCAGTTTACCTCTTCCCGCAAGTTCCTCAGCATCTCTCC
TATTGTGCTCTATCTCCTGGCCAGCTTCTATACCAAGTATGATGCTGCGCACTTCCTCATCAACACAGCCT
CATTGCTAAGTGTACTGCTGCCGAAGTTGCCCCAGTTCCATGGGGTTCGTGTCTTTGGCATCAACAAATAC
TGAGGGATGGGTTTTGGGACAGCTCCATGGGCATGGGGAAGGCACTGAAACAGAGGACTATAAAACATCCT
TCTCTTAAAAAAAAAACACAAAAGACACAAAAAAAAAAAAAAAACGGGGGGGAGTACAATGGGGGGGGGGG
ACAAACGAAGGGTATGTACTGGGGACAGGGGATCCATGCGTGTGTCAGGACCCAATCTCTCGGCAAAGGGG
GTGAAGCCGGGGGGCCCCCAAGGGGGGGGATAAAACGAAAGGCCGGGTACCCGTTAGATGAGCGAACGAGC
GCAATAGACGCGACAGAGCGAGTCGAGCCAGGGACGGAAGCCAACGCGCAGAAAGGGCACAAAGAACGACA
CAGCGGGGCGCAAGAACCCTACTACCACAGGCAGCAGACACACACAGTCAACATCGAAGAACAACGGACGG
ATACAGGACCGCAGACAGCGAAN

Table1 4061

NCGNCCCGCCTGCGAGTGCTCCAGGAGCTCGCCGACCTCGTGGACGACAAGGAGTAGCCGCCTAG
GGGCTGCCGGCCCCTCTGCCTCCCCCGCACCTCGCTCCCTTCCCTTCCCCGCACCCGGACTTCGCAGTCAG
CGGTTCTCAACCTCTGCCCCGCCCCGCCACGCGCGTCCGCCGCCGGTGGCCCGGGCCCGGGCTGCACCCCC
GCATCCCCAAGCCAGCGGCAGGAAGTCTCAGGAACTGCCCCAGGGCCGAAAGGGCGCCGCTGCGAGCGCCT
GGCTGACAGCCACAGCGGTGGTGACGGTGCTGGGAGACCCCGCGTGCGCTTTCCCCTTGAGATGTAAACCG
GGAACGGGGAAGGGGCTGAGGGGAGAAAGGACATGGCCTTCCCCGCGAGTCCATGGCCAGTGACTGTGGCC
CGACTCGAAAACAACCCTCTTCTCAAAAGGGACCATCACCGCCCCGAGCGTGCGCACACAGACCGGTCGGA
GGCGAGAACTGGTCTCTACAGGGCACAGTTCAGCTCCTCTGTGGATGCGTCCCCAGATCGCAGGATTTCCA
AGAAATCGAGCCTGTCCCTTGTGCACTTGGGAATAATTCCCCAAGACAGCACTTCGGGATTCCGGGTTATC
CTGAGGCTGCCCGGGACTTTTCCAGCTCTCCAGCCCCAGGTCTCCTGACATTGTGTTCCAGGCTGCGGGCT
AAGCCAGACAGTGTTTGCCTCCGGTTCTTTCCACCGTGGGAAGCGAACGCCACCCCCACCCGCCTTTGCCT

Table 6
698/3331

GCGAGTCTCCCTCGCTGCAGAAGGGAAGCCGGCCCGTCCCGGGAGGAGATGGCGCTGCGAATTCGGTGAGG
ACAGCCGGCCCCGCCCCCGACAAGGAGCTCGCTCGTTCACCTGGTGTCTGGGAACTTGAATGTGTGAAGGG
CGCTTATTGTTCTGAACCCTTGATTGCTCCCTCCTCGGGCTGCATTTCAAAAATAGTCATATTTTTAAAGG
AGTTGGAGGAGAGGGAGGGGGAGGACATGGCACCATTCCAGAAACCAGCATTGTTACAACACCATAGCCAG
TATATTTAGTTTGGCTTTTCCTAACATAGAAATCTTCAAAGCTGGGGAAGTGGAAATAAAGTTTTAAAAAT
GAGAGAGCAGTTTTCCAACTATGTCAACAAAGCCTATCGTGTTGATGTTTTTATTGACCATTTTAGCAACA
GGCTAATAAAATTTCAAATTGAAATTTTTATTTTCATGGCTTTAATCCATGATAGTTTAAATACTGGGGGC
CATTAAGAGTGGATGTAGCTAAGAGCTTAGCTAACATTGCCTTTTCACTCTATTTTTCTCAGATATTGTAA
GCATTCTGTTTTTCAATATTGTAGTTAATTTTTTGGCTTTCAACAGCAGCCCTAGTAATGGTGGAGTTGTT
AATTAATGTGTATATTGTACTGAATTTCTGTCAGTTAAGGGGTTCACTGCTTTGGTGGAAATTGGTGGAAA
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TTGGCCAGTTCCACAGTTCAGTTCTTCCTGAAAACAGGGATGATGAACTTGTAGGATCAGGACAAATGTGT
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TCCAGCTGCGGCCCCAGCCTAACTGATAGTTACTTGATTCAGTGTGCTAGACACTTAAATAGCATCTATGT
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GATTTTGTTGGACAGCAAGTATTATGGCCAAAGCCAGTTTCTTGGCATTTCAAAAATAATGCAATAAAAAC
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GAGTCATTTATTTCCCTAACTTACTCCTCTTTCAAGTAACAGGTGGCAGATCATAAAATGAATTCTTTATT
GTATCTACACACTCCACATTCTTTACTGTGTCCTACTACTGTATCTTGGCTCCCTGCTGTATTAAACACCA
TCTTAAGCACTTGTTCCTGCAGGACTCCTTCTTGACATTTTGTCTCCCCCTTCAAAGTCACTCAAAGAGTG
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TAGATTTCTCTCTCACTAAGAGGGTCACTCTCATAGAGGAATGTCTGTGTCAGTTTTATACTTGCTGAGGC
TAGATGACAATAAAAATGAGCTGGGCAGTTAAATTAGCATTTGTTACTATATTTGGCCTATAAAGGATCAG
GTTGATGATAATACCTCTAAAAATATGCAATAATAAACCAATAGTTATGAAAGAAACTTGAAAGGTTTGCA
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TGACAGAATAATTTGAGTGATAGTTCATCATGCAGAGGATATGATCAAGATATTACCTTAATGGTTTTATC
CTGAAAAAGGTGTATACTTTTAGGGCACTGTTAACAATGCGAGTGAAACCAAGATGGTGCAAGTTCCCTTT
GCAGATGGCGTGGGCACACTTGATTTTTATTATGAGTGAATGTAATCTTTCTGTATTTTACCAGAGTTACA
GCAATTACCTGAAAAGTTTCCTAACATTTTAATAATGTTAGGGATTTCGTTTTGGTTTTAGTTGTCCTCAA
GAGACAACAGGTTCACAGTAATTTCCATGATGTTGGGTGTGGCTAAGCTGGGGATTGGTTCTGTTCCCCCT
GCTCCCGTGTAGAGAAAAGCTATATTTATACTGCATTCTTTCTCAACTTTCAGGTAAAACAAACTATGATT
TAAAAAAAGAAAAAAGAAAAGACAGGTACTTTTACTTCAAAGAGTGCTTTGCTACATTTTTATTTAAACCA
AAAATCAAATAAAATAAGGAGGGGGGCTGGGTATACTTTAAACAAAACCAGTCCTGAAATGCTGTTATTCT
CAAAGTACANNNNNNNNNNNNNNNNNNNNN

Table1 4063

NGTCGACGCGTAAGACGTGTTTTGCGACCCGGCACCACCGTAGTTTTTACGGCGGCCGCCCGCTC
AGGTACCCAGAGTGCAGAGCCGCATTTCCAGCATGCAGGGGCTGCTCAGCGTTTAGTCACATCAAGAAATA
GAACAGAATTCAGCCATGGCCCCAAGAAAGAGAGGTGGACCAGGTATTGCATTCATCTTTTGCTGTTTCCG
AAATAATGATCACCCAGAAATCACGTATCGGCTGCGAAATGATAGCAACTTTGCGCTTCAGACCATGGAAC
CAGCATTGCCCATGCCCCCTGTGGAGGAGCTGGATGTCATGTTCAGTGAACTGGTGGTGAGTCCCAGTTTT
CTATCCTGGCATTGGTGGGGAGCCAGAGAAGGAGAAGAGGAGAGGATGTGAATGAGTTGGTTTGGTTTGAC
ATGGACTTTTCCTTTTCAGTGAAATGGCCCCCATTCACCTTTATGTCTGCACCCTCACTGTCAGCACTAAA
CCTGNNNNN

Table1 4064

GGCGGGTGCCTATAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGCATGAACCCAGGAGG
CAGAGCTTGCAGTGAGCCGAGATCGCACCACTGCACTCCAGCCTGGGCAACAGAGCCAGACTCCGTCTCAA
AAAAAAATAAAAATATAAATATAAATAAATCAAGCTATTAACGGCAAAAAATAAAGAGCCACCTGGCCTGT
GTCCAAAATGTGGAAAAGCAAAACATTGGGCCAATCAATGTCATTCTAAATTTGATAAAGATGGGCAACCA
TTGTCTGGAAACAGGAAGAGGGGCCAGCCTCAGGCCCCCCAACAAACTGGGGCATTCCCAGTTAAACTGTT
TGTTCCTCAGGGTTTTCAAGGACAACAACCCCTACAGAAAATACCACCACTTCAGGGAGTCAGCCAATTAC
AACAATCCAACAGCTGTCCCGCGCCACAGCAGGCAGCACCGCAGTAGATTTATGTTCCACCCAAATGGTCT
TTTTACTCCCTGGAAAGCCCCCACAAAAGATTCCTAGAGGGGTATATGGCCCGCTGCCAGAAGGGAGGGTA
GGCCTTTGAGGGAGATCAAGTCTAAATTTGAAGGGAGTCCAAATTCATACTGGGGTAATTTATTCAGATTA
TAAAGGGGGAATTCAGTTAGTGATCAGCTCCACTGTTCCCCGGAGTGCCAATCCAGGTGATAGAATTGCTC
AATTACTGCTTTTGCCTTATGTTAAAATTGGGGAAAACAAAAAGGAAAGAACAGGAGGGTTTGGAAGTACC
AACCCTGCAGGAAAAGCTGCTTATTGGGCTAATCAGGTCTCAGAGGATAGACCCGTGTGTACAGTCACTAT
TCAGGGAAAGAGTTTGAAGGATTAGTGGATACCCAGGCTGATGTTTCTGTCATCGGCATAGGTACTGCCTC
AGAAGTGTATCAAAGTGCCATGATTTTACATTGTCCAGGATCTGATAATCAAGAAAGTACGGTTCAGCCTG
TGATCACTTCATTCCAATCAATTTATGGGGCCGAGACTTGTTACAACAATGGCATGCAGAGATTACTATCC

Table 6

CAGCCTCCCTATACAGCCCCAGGAATAAAAAAATCATGACTAAAATGGGATAGCTCCCTAAAAAGGGACTA
GGAAAGAAGTCCCAATTGAGGCTGAAAAAAATCAAAAAAGAAAAGGAATAGGGCATCCTTTTTAGGAGCGG
TCACTGTAGAGCCTCCAAAACCCATTCCATTAACTTGGGGGAAAAAAAAACAACTGTATGGTAAATCAGCA
GCGCTTCCAAAACAAAAACTGGAGGCTTTACATTTATTAGCAAAGAAACAATTAGAAAAAGGACATTGAGC
CTTCATTTTCGCCTTGGAATTCTGTTTGTAATTCAGAAAAAATCCGGCAGATGGCGTATAATGCCGTAATT
CAACCCATGGGGGCTCTCCCACCCCGGTTGCCCTCTCCAGCCATGGTCCCCTTTAATTATAATTGATCTGA
AGGATTGCTTTTTTTACCATTCCTCTGGCAAAACAGGATTTTGAAAAATTTGCTTTTACCACACCAGCCTAA
ATAATAAAGAACCAGCCACCAGGTTTCAGTGGAAAGTATTGCCTCAGGGAATGCTTAATAGTTCAACTATT
TGTCAGCTCAAGCTCTGCAACCAGTTAGAGACAAGTTTTCAGACTGTTACATCGTTCACTATGTTGATATT
TTGTGTGCTGCAGAAACGAGAGACAAATTAATTGACCGTTACACATTTCTGCAGACAGAGGTTGCCAACGC
GGGACTGACAATAACATCTGATAAGATTCAAACCTCTACTCCTTTCCGTTACTTGGGAATGCAGGTAGAGG
AAAGGAAAATTAAACCACAAAAAATAGAAATAAGAAAAGACACATTAAAAGCATTAAATGAGTTTCAAAAG
TTGGTAGGAGATACTAATTGGATTCGGAGATATTAATTGGATTTGGCCAACTCTAGGCATTCCTACTTATG
CCATGTCAATTTTGTTCTCTTTCTTAAGAGGGGACTTGGAATTAAATAGTGAAAGAACGTTACCTCCAGAG
GCAACTAAAGAAATTAAATTAATTGAAGAAAAAATTCGGTCAGCACAAGTAAATAGAATAGATCACTTGGC
CCCACTCCAAATTTTGATTTTTGCTACTGCACATTCCCTAACAGGCATCATTGTTCAAAACAC

Table1 4066

NNNNCCGAATTTCTTATTTAGTTTCTTGTATTTTGCCTACTCCCTCCCTTCTCCATGATTCAGCC
TAGTCTTTCCGTCCTCTGTGGACTTGGGTGTGCCTTCCTCTGGGCCACCTCGTCTTTTGCTGCTGTTAGCC
CTCCCGCCTGCGCACCTGCCACTTCACCCTCGCCTGTGGTCCACTTACGTTCCACTCAGCCCGGTCAGTCC
TGCTTTGTTCTTCTCCACCGCCTTGGTCTCCCGTGTGTCTTATCTAGCTCTGGTTCCTTCTCGTCTCCACA
TTTATTTTGTTTTCTTCCTGTGCTTGTTAGTCCTTGTGCACTTGGTCCTTGAGCTCTTTTTCTATTAATAG
GTATTACTAGATGGATTTGTTGTCTGCCTTTACATAGAACACACATCCTTACTGTGCATTTCCTGGGTAGC
CAGGATGAATCAATTATTATTAACTTCCCTTCGAACATTGAGCTTCCTCTGTTTTCTGTTTCTAAGAATTA
GATTAGTATTCTAGAAGACTAATACTACTTTAAAGACAGTCAAAACAGTCATACGCTGCCATTTCAGCCCT
TTATTTAAGAGTTTGTGACATTTATCACTCCCTTGAAAGATTAAAGAACACCCAAAGCAAGTTTGGGGTGG
AGGTGGGGAAGGCAGGAAGAGAAAGGTAAGTGCTATAAAAGGACTCATTGTTAATTTCTAGAAATTGGACT
GAGATCTGAAAGCATAAGCCTTAACATTTTTTAGATAAACGGTCCCTGAAAAGAATAAAAAGTATCAGTAC
TTCCGTTAACTAGCTTTAGTATTGGGTCATTTGTAGTTTACATTCTCCTTTAAGTTTTAAGACCTTCAGTA
GTTAACAAAGCAGACAGAGACTGGCCAGGCACAGTGGCTCACACCTGTAATACCAGCACTTTGGGAGGCTG
AGTTGGGTGGATCACAAGGTCAGGAGATTGAAACCATCCTGGCCAACATGGTGAAACCCCGTCTCTACTAA
AAATACAAAAAAAAAAAAAAATTTGGCCGGGCGTGGTGGCGGGCGCCTGTGGTCCCAGCTACTCGGGAGGCT
GGGGCGGGGGAATTTCTTGAGCCCGGGAGGCCGAGGTTGCAGTGAGCTGAGATCGCGCCACTGCACTCCAG
CCTGGGTGACAGCGAGACTCTGTCNNNNNNNN

Table1 4067

NNNNNNNNNNNNCCGCCCGTGTCAGGTACATCCCCTACATCAGTATCAGTACTTTATGAGGACA
GTGACAGTAGCCCGAGTCACAAAAAAAGGAGAGAGCAAACAGCAACGCAAAGCTCGGCACAGACCACATGG
CCCTCTTTTGCCTACTATTGAAGATTCTTCAGAGGAAGAAGAATTGAGAGAGGAAGAAGAATTATTAAAGG
AGCAAGAAAAGCTGAGGGAAATAGAACAGCAACAAAGAAAGAGTTCTAGTAAAAAATCAAAGAAAGACAAA
GATGAACTTCGAGCTCAGAGAAGAAGGGAAAGGCCAAAGACACCACCTAGTAATCTCTCTCCCATTGAAGA
TGCATCTCCGACAGAAGAGTTACGTCAGGCTGCAGAAATGGAGGAGCTCC

Table1 4069

NGAGACTCCATCTCAAAAAAAAAAAAAAGCCCAGAGTTCAAGGCTGCAGTGCCCAATGATTAAGC
CTCTGAATAGCCACTGCATTCCAGCCTGGGAGCAAAGTGAGACTGTCTCTAAAAAAAGAAAAAATATATAT
ATAGTCTTCTTCTGTTTTGTTTTGTTTGTTTAATTCAAAGTTACATCACAGTTGTCCTCAACTACAGAAAC
AGATCCAGCTACAATGTTTAATTCTTCTCCATTACTTAAATTAAATGCTGCCACCATTGAGTATGGCATTG
TATAATCATATTCCTTCAGCGGTTAAAATAGAAAAAAAATGCAGATAGAGATGTGTATAATTGGCATGCAT
AGAAATACAGAACCAGTTACATGACAAAAGTAAACAAAACTCTAAACCTTCATATTTTAAAAACAAGATTT
TCCATTTAACAAGAATTACATTCATTAAACTGGAGAGTATCTCCTATAGAGAAAACTTTTAGAGTCAGATC
CAAACATTCCTATATTCATACTTGGAAGCACTTTGACAACTCAAGGCTGAAAACCCCACACTGTGCTTGTT
GTCAGTCCACTGTTTTCCTGCCTAGTAGACTGCAAAAGTGAATATTCTACCTCTTTGTGCAGGTGATGCTG
AATCCTGTGTCCACTGAGGTGGGGCCGCCCAGGGTCACCAATCAGTACTCCAGTTCTATAGGTCCAGAAGC
GCTTCTTCAGCCTCTGATGAAGACTATATGCAAGGTCTTCATCAN

Table1 4070

NNNNNAGACAGTCAATCTGTCAGCTCTAACACTGATGCAGATACCTCCCCGGGGAAAAACCATGC
AACTTCTAACCGAAAATCTTCAGTTGGCGTAAAAAAGAATAGCAAGAGCAGAACGTTAACGAGGCAATCTA
TGTCAAGAATTCCAGCTTCTTCCAACTCTACCTCATCTAAGCTAACTCATATAAATAATTCCAGGGTACCA
AAGAAACTGAAGAAGCCTGCAAAGCCTTTACTTTCAAAGATAAAATTGAGAAATCATTGCAAGCGGCTGGA
GCAAAAGAATGCTTCAAGAAAACTCGAAATGGGAAACTTAGTACTGAAAGAGCCTAAAGTAGTTCTGTATA
AAAATTTGCCCATTAAAAAAGATAAGGAGCCAGAGGGACCAGCCCAAGCCGCAGTTGCCAGCGGGTGCTTG
ACTAGACACGCGGCGAGAGAACACAGACAGAATCCTGTGAGAGGTGCTCATTCGCAGGGGGAGAGCTCGCC
CTGCACCTACATAACTCGGCGGTCAGTGAGGACAAGAACAAATCTGAAGGAGGCCTCTGACATCAAGCTTG
AACCAAATACGTTGAATGGCTATAAAAGCAGTGTGACGGAACCTTGCCCCGACAGTGGTGAACAGCTGCAG
CCAGCTCCTGTGCTGCAGGAGGAAGAACTGGCTCATGAGACTGCACAAAAAGGGGAGGCAAAGTGTCATAA

Table 6
700/3331

GAGTGACACAGGCATGTCCAAAAAGAAGTCACGACAAGGAAAACTTGTGAAACAGTTTGCAAAAATAGAGG
AATCTACTCCAGTGCACGATTCTCCTGGAAAAGACGACGCGGTACCAGATTTGATGGGTCCCCATTCTGAC
CAGGGTGAGCACAGTGGCACTGTGGGCGTGCCTGTGAGCTACACAGACTGTGCTCCTTCACCCGTCGGTTG
TTCAGTTGTGACATCAGATAGCTTCAAAACAAAAGACAGCTTTAGAACTGCAAAAAGTAAAAAGAAGAGGC
GAATCACAAGGTATGATGCACAGTTAATCCTAGAAAATAACTCTGGGATTCCCAAATTGACTCTTCGTAGG
CGTCATGATAGCAGCAGCAAAACAAATGACCAAGAGAATGATGGAATGAACTCTTCCAAAATAAGCATCAA
GTTAAGCAAAGACCATGACAACGATAACAATCTCTATGTAGCAAAGCTTAATAATGGATTTAACTCAGGAT
CAGGCAGTAGTTCTACAAAATTAAAAATCCAGCTAAAACGAGATGAGGAAAATAGGGGGTCTTATACAGAG
GGGCTTCATGAAAATGGGGTGTGCTGCAGTGATCCTCTTTCTCTCTTGGAGTCTCGAATGGAGGTGGATGA
CTATAGTCAGTATGAGGAAGAAAGTACAGATGATTCCTCCTCTTCTGAGGGCGATGAAGAGGAGGATGACT
ATGATGATGACTTTGAAGACGATTTTATTCCTCTTCCTCCAGCTAAGCGCTTGAGGTTAATAGTTGGAAAA
GACTCTATAGATATTGACATTTCTTCAAGGAGAAGAGAAGATCAGTCTTTAAGGCTTAATGCCTAAGCTCT
TGGTCTTAACTTGACCTGGGATAACTACTTTAAAGAAATAAAAAATTCCAGTCAATTATTCCTCAACTGAA
AGTTTAGTGGCAGCACTTCTATTGTCCCTTCACTTATCAGCATACTATTGTAGAAAGTGTACAGCATACTG
ACTCAATTCTTAAGTCTGATTTGTGCAAATTTTTATCGTACTTTTTAAATAGCCTTCTTACGTGCAATTCT
GAGTTAGAGGTAAAGCCCTGTTGTAAAATAAAGGCTCAAGCAAAATTGTACAGTGATAGCAACTTTCCACA
CAGGACGTTGAAAACAGTAATGTGGCTACACAGTTTTTTTAACTGTAAGAGCATCAGCTGGCTCTTTAATA
TATGACTAAACAATAATTTAAAACAAATCATAGTAGCAGCATATTAAGGGTTTCTAGTATGCTAATATCAC
CAGCAATGATCTTTGGCTTTTTGATTTATTTGCTAGATGTTTCCCCCTTGGAGTTTTGTCAGTTTCACACT
GTTTGCTGGCCCAGGTGTACTGTTTGTGGCCTTTGTTAATATCGCAAACCATTGGTTGGGAGTCAGATTGG
TTTCTTAAAAAAAAAAAAAAAAACGACATACGTGACAGCTCACTTTTCAGTTCATTATATGTACGAGGGTA
GCAGTGTGTGGGATGAGGTTCGATACAGCGTATTTATTGCTTGTCATGTAAATTAAAAACCTTGTATTTAA
CTCTTTTCAATCCTTTTAGATAAAATTGTTCTTTGCAAGAATGATTGGTGCTTATTTTTTCAAAAATTTGC
TGTGAACAACGTGATGACAACAAGCAACATTTATCTAATGAACTACAGCTATCTTAATTTGGTTCTTCAAG
TTTTCTGTTGCACTTGTAAAATGCTACAAGGAATATTAAAAAAATCTATTCACTTTAACTTATAATAGTTT
ATGAAATAAAAACATGAGTCACAGCTTTTGTTCTGTGGTAACCTATAAAAAAAGTTTGTCTTTGAGATTCA
ATGTAAAGAACTGAAAACAATGTATATGTTGTAAATATTTGTGTGTTGTGAGAAATTTTTGTCATAAGAAA
TTAAAAGAACTTACCAGGAAGGTTTTTAAGTTTAGAAATATTCATGCCAATAAAATAGGAAATTATAAATA
TATAGTTTTAAGCACTGCATCAGTGGGAGTTCTTGGCTTATGTTAGTTTATGTTAGTTTATTATGAAACCA
CCAAAGATTTTTTTGGCTATATTACCAGTTAACCAAAAAGGAGGCAGATTTAATTGTTTTATTGAAGCACT
TGGAGAAATTAATTTTAATTACTTAAGTGAGCAAATTTTTATTACTACTTTATGTTCACTACCAGGTCTTT
CATTTCTCTGGATTATTGGCAATCATCGGACAGAGATCTGGGAATATAACTCTGTAACAGGGGGTTGAACA
CCAGAAGGTCTCTTATTTCTGGAAATGGGTCCGTACCTTCTGATTCAGGTTCCAAGAAAACACACCGGGGA
TAGGAAN

Table1 4071

NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTACAAATTTTTAATTAAAATAAGTTTATTTAAAAG
TTTTATTTTTAATTTATAAAATAAAGTTAATTTTAAATAGTCTCAGCAAAAAAGAAGGGGGGCAGAAACCC
TGCTCGTTCTACTTTATAAATAGTAGCTTATCAACCGGCAGCCAGTGAAACACTAAACCCAAAATTTGCCT
CATTGTGTCATGGAGATTATGCCGCAAAGGGAGAAACCTGCCAAGCCCTTTCCAAGAGGTGCTGTGTGCCA
GCCCAATCCCCAAACCCTGCCAAGCCACGGAGTGCTTTCTAGGCTGGTGACAGGCCCCAGTGCCAGCTAAA
TGCCCGTATGCTCGGGGATGGAAACAGAAAGGAGCTCATTTCACTGCTCTCAGAGAGCTGGAGTGCAGAGG
ACCTTAGAACTCAAGTGCACCAGAAGCTTCAAGAGTTTAGCGGCGAGTGAGCTCTTCTCCCCACCAAACGA
AATTCTATGCACAATATGTAACACATATGGATGCAGTATAATACCAAAAATGCAGNNNN

Table1 4073

ACTTTTTATTCCACTCTCTTCTTGCTTGCGTGGTTTCTAGAAAAGACAGCTGCAGTTTGCATCTT
TATTCCTCTATAAGTAAGGTTTATTTTTCCCTCCTCTGGTTTCTTTCAAAGATTTATTTTTTTATCCTTGG
TTTCCTGCAGTTTAGATATGATATGCCTTAGATGTGGNTTTTTTTTTTTTTTTTTTGGCTTTTATCCTG
TTTGTTGTTCTCTGAGCTTCCTGAATCTGTGGTTTCGTGTCACATATTAATTTAGAAAAATCTCATTCATT
ATTGCTTTGAATATTTCTTCTATTCCTTTCTCTCTTTCCTCTCCTTCTGGGGTTCCACTATGCATACTTAC
ATCTTTTATAGTTGTCCCACTGTTCTTGGATATTCTGTTCCTTTTTTATTCAGTCTTTTTCCCTTTGCTTT
CATTTTTGGAAGTTTCTCTTGAAATATACTGAAGCTCCAGATTCTTTCCTCACCCACATCCAGTCTGCTAA
TGAGGCTTCAACACCATGCTTCATTTTTGTTAGTTTCTTGACTTCTAGAATTTTTATTTGATTCTTTCTTA
GACTTTCCATTTCTCTGCTTATATTACTGATCTGTTCTTGCAAATTGTCTATTTTTTCCATTATCACTCTT
ACCATATTAGTCATAGTTGTTTAAAATTACCAATCTGATAATTCTAATATACCTGCCATATCTGAATATAG
TTCTGTCAGCTAGCTCTGTTTCTTGAAACTTTTTGTTGTTTTGGGTTTTTTGTTTGCTTGTTTGTTTTAGG
GTTTCTTTTTTTCCTCTTACAATGTTTTTTTAATTTTTTGTTAGAAATTAGACATGATATACTAGGTAAAA
GGGAGTCTGGGCTGGGCACAGTGGCTTCCGCTGGTAATTCCAGCAAGTTGAGTGGCTGAGATGGGAGGATG
GCTTGAGGATAGGAGTTTGAGAACAGCCTGGGCAACATAACAAGACCCTGTCTCTACAAAAATAAAAAAAT
AAAAATATTAGCCAGGCATAGTGGT

Table1 4075

cctggattgtaaccagattttcttttTTCCCCCTTCTCAGCTGTAGATATGATATCTCCTTTCAG
GGCCCCAGCTTAAGGGCAAAGTGAGTTAATGTGTAGACAAAGGCGAGGGACAAGAGAGAGTTAACATCTAG
ACAGTGGAAAAAGCCATGGTGTGTGGTTTCTGGGAACCACCAACACTTGCAGGTTTAGCTTTTTCCCAGGG
TTGACTACAAGAAAGAAAACCATGTTTTTGCAAGATTAAAATGTGGTTGAGTGTGCCTAAATTAACCATCC

Table 6
701/3331

CCATTTTTATCATATTTCCACCATCACTTCAGGGTTTTAAGAGTCAGTGCTCACCTGGGCGGAGCTGGTAG
TACATTTTGCTTCTTAGAAAGCTAAGTCCTGGGTTCCGTCTGATTTTAGGTTCCAGGAACTTCCTGAGAAC
ACCCGATCGCAGAGGGTAATTTTCTGGAGTTTGTTTTGCAGGGATAGCTGGGAGTATGGCCACCCTGCTCC
ACGATGCGGTAATGAATCCAGCAGAAGGTAATGTTTCATGGTCCCAGGGAGGGGCAGTAGGGGATGTGCAA
AGGGGCACAAAAAATGGTTGTGGGAGAGTGGAGAGGACTGAAGGTGGGCAGAGCGGCTCCTAGTCTCCAGT
CAGAGCAGACAGGAGAATTGAATTTTTTACTACGTTATCAAAGGCCTCAAGAAAGGACGTGAACATAAGAG
TTTTTGGTATTCCTGTGCTCGGAGCTACTCAAAGTGTGTTCTACAGACCAGCAGCATCAGACATCTTGAGG
GgtGTTGGAAATGCtaattCTgagggctggtgcag
Table1 4076
NNNNNGTCTTAAAATTTTTCCTTAATGATTAAAATATAAGATTACCCACCAGCTGCTTTTAATTT
CTCCTAAGCATTAGAACAGTCAGTAATCATATGACCTGTGCCCCCCTTTGTTCCCCTTAACTCTTTCTGTT
TGTCCCCCCTCCGCGTTTAAATGTTGTTGTTTCACTTTTCTCCCATCTCTTCCTGACTTGGTCAAATCCAA
AGGAATCTTCCAAATTGTGGGAAGCAAGGCATCTGAAATGGCTAAAACTCCTGTGGCTGCC
Table1 4078
NAATGGGTGCCTGAAACTGATGATAGTACCGAATCCAATATACCANAATGAAGCATTGGTAAAAA
CATTTCATAAATAAAATGGGTGTCAACCACACTTTCTGATTACATTGCCAGAAGACGAGCAAATGTTTTTG
TGAGCACATGGGTTTTTTGCTCTGTATACTACACCTGGTTTTATTATATGCCCGAGAGTGTTGCTACATAG
CAGAAGAGTTAGCTTGTCCTTTCATGTTTAATGCCATGGTACCTCCTTTGTACTTTTATANATAGTATGTA
CTTCCCTCACCTGGACATAATTCTCAATATCTGAAAAATTCAATAATGTTATCATAGCAAATTCAGAAACA
ACTTCAGTATCTACTAATAAGGGAATGGTTAAATCAAACCACAAATAAGGAGGAGACTACTGTTGTTACAG
AAATAGTCTTCAAGAAACAATAGCATTTCCTAGAAGTTATAAAATTTTTACTGGTTCCAGACTGATCCTAA
TATCAGGTATGATTATTTCCTTTGGAGTAAGAAAAAAAATTTTTTAAGGCTGAAATTTTTGCACAAAAGTC
TTAGATTAAATATGGTATATGATTTGGGACACAAGGAAAAGCCTATAATTTAAAATCTTGGCTTCTTATCA
CAAGTCCAATTGTATAAAAGTTCCACCCTTCTCCATAGTTCATGAAAACTCCAAAAAGCTATTAACATCAAT
TACTCGAGAATGAAATTATATAAGCCCTCAATTTAGAATAAAATGAGATTCATGTCTAATATTATTTATCC
TTATTATAAAAGGAATGAAATATTTGGAACTAACTGTAAGCAAAGCATAATTTACAAAATCCCCAAATTCC
TATATCAATTCTTATACTCCTATCATGTGGAGTATGCAACTAAAATACCAATTTAATCCTANNNNNNNNNN
Table1 4079
NNNNNNNAACATTTGGGAGAACATGAAAATGAGGAGGTAAAACAGAAGGCTGAAACAGGGAAGGG
GCACATTTCACACTAAGTATTTGTACCCCAAGATAGGATCAGGGCTATTTTAATGATCATGTGATTTATTA
AAAACTTGAGATTTCCAACTACTCTTTCACACGTATGTGGAAGAAATGTATTCCAAGAAGAGTTGCTATAA
TCAGTATTAATCTGTAAAATCACATTGATTTATCTTAGAAGGATAAAAAGAACAGAAACAAAACTCTACCA
GCTCATATAATTTTTCTTTGCAAAAATTTTTTGCTTCTTTACTATACTGAATTAGTTACATCAATTGTTGT
ATCAATGAAATAATTAGGTATTATTACCTGTAACTATTTTGAAAATTAATAAAAGAACCAAGAAGAATAGA
GTAATATCCCTAGGCTAAAACTAAAACAAAATCTCAGCAACCCAGAACTTTCGGGAAACTGATGTTCAGGA
AAACATTTTCCAGATAACTAAGGGTTGCTATTTTAAGCAGGACTCCCCCACTCCCATTTTCTGATTAAAAA
AACAAATTGTTCTTAAATTGTATACCTTCCTGTGTCCTTAAAACAAGGGATGACAAGTTCTTTCGAGTTGA
GGGTTTGGTGTACCCCATATCAAACAGCCAGACTGTAGTGCTAAG
Table1 4080
NATATGAGAGCCATGTGNGGATCTGTACGGCAGGGTGACAAGGAGAAGACAAAGCAGGAATGGGG
GCTGGGTTAAGAAAGACTTGAGAGACACTAACTTGCTTATCTTGAGTTTCTGTGTTCATCTTAAAGAACAG
AAAAAGGCATTTGCTTCATGGTGATGAAAAAATCAGAGCTAGCTGATATTGGAAACTAGCACTCATTTCAT
ATAAACAGAATAGAGCTGTACCCTTCAAACTAAGTCACAGTTACTTTCAAAGATTGGCACAAGGGTCTCAA
CACATCAAGTGTATGTTAGGGGCTGGGCTCCGTTGGAGTCAAATCTTCCTGGTAAACAAAGCTACACTGCA
GTCATATTTGGCATATGTGACATATAGGCCCACTGCATTTCCTTCCAAAGGCAAGATGCCAAGGGAAGGTG
CCAGTAATTTTATGACCAATATGACACCATTTTGTGGTGTTTGTAAGTTGAAACAATATATTTCCCTGCAT
TACACAAGTTTATAAAAAACAAACAAAAAAAAGAGGCCCCAGCTGTGGTTGATCGATGATGAATTGAATAG
AGCCTAACCTTCCAGGCTTCTCACTTGCACAGGCCCTTCCAAGGTCCTGGGAGGGCCCCTGGAAATTTTTG
TAGTCATAATTTTTTTAATGTTTTTACTAGATAAGGCTCAGGCCCCACAAAATCCTGAAATCATCCCTGGG
TTCCAATAGTTACAACCCAGTAAATCTCTTGAATGAAGCCTCTATGTTATTGACAAATACTGACTGGCCAA
GTTAGCAGGGTGATAGGGTCAGTCTATTTTGAATCTGAAATCCATCTCAAAGACAGGCCAAGAGCTTATTA
GTGGACTTAACTGGATTCTGCTGGCCCAAGCGCAGTAAAGTCAAACAACCATATCGAGGTTTTGCACTGGG
GAAAGGAGGACATTTATTTGCAGGGCATCCAAGCAAGAAGGACCAGGCGGCTAACTATCAAAGTCCCTCAC
TGAATGGGGGCAATAATCATATCTCTTACAGATGAAATCATGAATGAAATGGTTTATGGAAAAGCAGCAAT
GGTTGATAATCCTAAATGTTAAGTATGTTTATATTTTTTCCCTGACTTTAAAGTGCTTCTCCTTCATTCCT
ATACACAGGTCCAGACTGATGGCTTATTTTTTAAAATCTTTTAGCACTTCATGGGTCTAACATTAATTTAG
AAACTGGATGACTTTGCAATGTAGAAAGGCTATACTTTATTCAGATAGAGTACACTCACATATTGGCTTGT
CTATGGCACATCGATATCATGCCAAGAATGTAAGCACTAAGAGAGAATAAGAGGAAAATCCAGGCTTTATC
CCTATTGAATTATTTATCCCACTATTAGAATATTAGTGAGGTAGGTGTGGCCACACTGTGATGGCAAATTG
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ATGCACAAAAGTTTGCACAGTTGAGGGTATTGTCATCATGTTTTGGTATGTACTGGAATCCTGGCAGCTTC
TTCTCTGATTCGGAGAGGCGCAAACATTAAAGACAAAAAGAACAACTCGAGTCTGTCCTTTGGGGTGATTT
AGGGTGGCTGTTTAAATTTGTAGTGGTTGAAAAGTCTTGAGATTGTCACACCTAGCAACTCTTATACTTTT
CTTCTCTCAGCTGCAGCTTGTTCTTTTCACCTGTGTAACAAGCTGTCTTCTCTTCTCACAGAAGCTTAGCA

Table 6
702/3331

TTTCTTCCTCTGCCCCATAGCATTTTTTCAATACTTAATTTACCAGGTGCTGTTTATGTTGTAGGCACCTA
AGTACTTATACAAGTGAGATAACATGTCCGAAGTTCTTAGAACAGTGCTTGGCCTATGGTAAATGCTCCAT
ACATGTTACCTCCTATGATACCTCATTTTCATTTTTCCAACAACTCTTGCGATGCGGTTATTATTATCATT
TCTATTTTGCAGATGAGGAAGTTGAAACTCAGAGACGCTAGGTAATTTGCTAAGGTTCACACGGCTAATAA
GTGGCAGAACCACTTACAAGCTTTGCAAGTAATTTTCAATGCAGCTCTTAGTTCCCCTGTAATAGGAGCTG
AATGATGACAATTTGGCTTTGTGTGCATTGTATCTTACTTTCTAACTTGAACAGGACCTGTAGAGCAGTGA
GCTCCACTTCCCTCTGAGAATCCCACGCTTCTGGAGCTCCTGGCTGTACCAGCTCTGGGCATCCCCAGGGT
TTATGCTCACCGGTCAGTGCTGGTGTGACATGATGGCTGAGCACCGGCACTGTGTCCAGCGCATTGCTAGG
CACTAGACACGTGCTCTTTCATTTATTCCTCAAATTGCTTTGTGCTGTAAACGCTACCCAGAAAGGCTCAT
GTTCATTACTCAAGTCACTTCACCAGAAAGTGACAGAGCCAGAATTCAAACCCAGGTCTGCCAGATTCCAG
GTCCCTTGCTTCTTCTGTTGTTGCTCATTGCAAGGGAGTCTTCTTCAAGGTTATTCTCAGGACTTTGATTA
AGATACAGGCTCACAGCTGGGCATGGTGTCTCATGCTGTAATCTCAGCACTTTGGGAGGCCAAGGTGGGTG
GATCACTTGAGCTCAGAAGTTCGAGACCAGCCTGGCCAACATGGTGAAACCCTGTCTCTACTAAAAATACA
AAAATTAACCAGGCATGGGGACGGGCATCTATGATCCCAGCTACTCTGAAGGCTGAGGCAGGAGAATCACT
TGACTCCAGGAGGTGGAGTTTGCAGTGAGCCAAGATCACACCACTGCACTGCACTCCAGCCTGGGCAACAG
AGTGAGACTTCATCNN
Table1 4081
NNATAGGGCGAATTGGAATTTCCCCCGCGGGGGCGGCCGCCCGGGCGGGTACGCGGGGAGAAACA
AGCAGCTGCTGCCTGGTGGTAACAGCAAAGGGTGGAAGTCAATAGGGTCTCTGTGAGACTGTTTCACAGAA
GGATGCGTGTTTACCCAAGGCTGCGCATCAAAAAGAAATAGATAAAATAAATGGAAAATTAGAAGGGTCTC
CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACTAAAGCCTTAGAATTG
ATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAGAAGCCATCTGCCTTCGAGCCTGCCATTGAAATGCA
AAAGTCTGTTCCAAATAAAGCCTTGGAATTGAAGAATGAACAAACATTGAGAGCAGATGAGATACTCCCAT
CAGAATCCAAACAAAAGGACTATG
Table1 4083
NNNNNNNNNGCCCCCTGAGACGGAGTCTCTGTGTCACCCAGGCTGGAGTGCAGTGGTGCGATCTC
GGCTCACTGCAACTTCTGCCTCTTGGGTTCAAGCAGTTCTCCCTGTCTCAGCCTCCTGAGTAGCTTGGATT
ACAGGCGCCCGTCACCGCACCTGCCTAATTTTTGCATTTTTAGTAGAGACGGGGTTTCGTCATTTGGCCAG
GCTGGTCTTGAACTCCTGACCACAGGTGATACGCCTGCCTTGGCCTCCCAAAGTGTGCTGGGATTACAGGC
GTGAGCCACTGTGCCCGGCCCACTGTTCACTTTTTGAATGGCATCATTTTATAGCTGTAGAACTAAAATCA
ATGTTTGCCCCAATTTTCTTAAGTAAAACTCTACTTTGAGCTCTTACCTCCAACTTAGTAAAAAGCAGCTT
CACACACAAACAAGATTCTTACTGGTGGAATGTTAGGTTTCGTTGTTAAGTTAATCTGTCTATAAGCTCAT
CCTTAGAGGATATTTGAGGAGGAAGAACACCTTGCAGCTGACTTGCAAACATCTAAATAATTTATTTCGGG
TGCTTATGAATGTTACTAATGGATTTTGTATGAATTTTTATCCCTTTTCATTTATACAAAAACCTGGGCTT
TTATGTTAATTATATCATCTGAGGTTCTAAGGTTTTTTTTTTAGATTTTGAAATTTAGGGATAATAGCTCT
TAGGTTTGGGTACCACTTTGCTGCAGTTTAAGAAAGGGGGAAGGGAACTCATTTATTAAACATCAATCACG
TGCTGTGTTCTGTTTGTTTTCTAGTCATCATATCACACACCTTTACGACAGCTCACTGAAGGAAGGTGATA
CTGTTCCCATTTTGTAGATGGAATAGACAAAACCTGAATTTAAGTAGCTTGCTCAAGGTTCCATATTGAAT
ATGGAAAGTTCAAATCATCTCAGTAATGAATATACCATATATACTTGCTGTATTGTATCTATGATAATTCA
GTTACCCACAATACCCTTTTAAATTTCTGTTAATGACATACCTTTAAATGTCTCCTTGATGAACAGAATCA
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Table1 4084
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Table1 4085
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Table 6
704/3331

ATAGTAAGAATAATGCATATGTGATTGTTCTTAAAGTCAATGTATTAAATAAGGTATTTTTCCTTTTCCCT
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Table1 4087
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Table1 4088
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NNNNNNNNNNNNNN
Table1 4090
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N
Table1 4092
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Table 6
705/3331

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Table 6
706/3331

Table1 4095

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Table1 4097

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AATTGGAGCCTGCCCCTCGGCCCATAAGCCCTTGTTGGGAACTGAGAAGTGTATATGGGGCCCAAGCTACT
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Table 6
707/3331

ttaaaattcgcgtttaatttttgttaaatcagctcatttttaaccaataggcccgaaatcgcaaaatccc
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Table1 4099
NNCGACCACGCGTCCGAGGCACCGCCCAACACGGTCTCCGCTCAGGGTGACCCGGAAGCAGTTGC
GCCAGCAGCGTCGCGCGGCCCAGTTCCCTTTTCCGGTCGGCGTGGTCTTGCGAGTGGAGTGTCCGCTGTGC
CCGGGCCTGCACCATGAGCGTCCCGGCCTTCATCGACATCAGTGAAGAAGATCAGGCTGCTGAGCTTCGTG
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NNN
Table1 4100
NNNNCCGCCCGGGCAGGTTCGCGGGGAGGACTGTCGACTTCGGTGTGGCCCAGGTGAGAAAGGCC
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GAACTATGCTTCGTGGTGTTCTGGGGAAAACCTTTCGACTTGTTGGCTATACTATCCAATATGGCTGTATA
GCTCATTGTGCTTTTGAATACCTTGGTGGTGTTGTCATGTGTTCTGGAN
Table1 4103
NNNACCNGCGGTGGNGNCTGNTANGGACATTGTGGTNCCCCNGGGNTGCAGGGAATTGGGACGTG
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GCTCACAGGAATAAAATCAAGTGCTAGACACACTGGCTGCTACTAAGGCACTAGCCTCTGTAGCTGGTGGT
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GGGCGTCGGACGCCTGCGCGCTCTCCCCGGCGCAGCGAGCCGATAATCN
Table1 4107
ACTTTTTATTCCACTCTCTTCTTGCTTGCGTGGTTTCTAGAAAAGACAGCTGCAGTTTGCATCTT
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Table 6
708/3331

TTTGTTGTTCTCTGAGCTTCCTGAATCTGTGGTTTCGTGTCACATATTAATTTAGAAAAATCTCATTCATT
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AAAAATATTAGCCAGGCATAGTGGT
Table1 4108
tatAGGGAGTCGACCCACGCGTCCGGTCTGCAGGCACTCAGAATGGTCCAGCGTTTGACATACCG
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GTGCCCCTACACCAGCTCAAAGGACTGCTTCTGAGAGCTCTAGGCTTCCTCAGCTCCTCGGATGGCAGCCG
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Table1 4109
CCCACGCGTCCGGGATGTCTTGCTTCATCGTAAACCTAAACTGGGACAGGAACTGGGCCGGGGCC
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CCACACCCAACACGTATATCGACATACCCACACGGGCGTCATGGGACGCGACGTTAACGGCCCACCCCCGA
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Table 6
709/3331

Table1 4112
NNCAGTTGATGTGACAAGAGATAAAGAAAGCACAGTATTTTAAAATCTAAAGCAGATTCCTGTCT
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CCCCCCGTCCTGTCNN
Table1 4114
ACCGCGGTGGCGGCCGCTTTTTTTTTTTTTTTTATATTTTTAGTAGAGACAGGGTTTCACCGTGT
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TCTGGCATGATCTCCCTTGACTTCTTTCCTCTCTTTTTGAACATGTGTTGATCCTCAGCCCAGCAGATTGT
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Table1 4115
CTCTTTTGTCAGGAATAGTCATTGTTACTTTAGGAAAACCCTGAGTTTATCCAACTCTTGTTAGA
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TAATATAAAATTATGATTATTCTTTTTAAACAGT
Table1 4122
NNCTGAAGCACGTTGGGTGAGAGAAAGAAAGAAATCACATCCTTTATCCTCCCACACAGCCAAAG
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Table 6
710/3331

AAAAGTGGTAACTTTATCCTATGTAATATCCCTGTTAAGTCCTAAAAGTCTTTTCTGATGTCTATTTTGTC
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CCTCTAAAGCGCTAAGT
Table1 4123
NNAGAAATTGTTTTCAAGATTGGTGCTTTTGCACCATTGATTAGACGAGGCAACCAAGTGCATTT
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TGATTAGTAACCACACATTGTTTTTCCCCACCTTTTTCATTAGTGGAGGTTTGTATGTGTGTTTGTTGTTT
GAGACAGAGTCTCACGCTCTTTTCAGACTGGAGTGCAGTGGTGCGATGTCAGCTCACTGCAACCTCCACTT
CCCGGGTTCAGACGATTCTCATGCCTCAGCCTCCTGAGTAGCTGGGATTACAGATGTGCACCACCACACCT
GGTAATTTTGTATTTTTAGTAGAGATGGGGTTTCACCATATTGGCAGGCTGGTCTCAAATCCTGGACTCAG
GCGATTGGCCACTTGGCTCCCAAAGTGCTGGGATTAAAGGTGTGAACCAACGTGGCCTGCGCCCATTAGTG
GAGTCTGATGGGCCGGGCTCAATATTATTCATGGAAGAGAGACATCTTGGTTACCTTTTTCAACAACTCCT
TCATGAAGAAGGGAGGGGGGCGACTCTACATCGACGACAATGGTCCATGGAGAAAATGGGCGGAGTACACA
TTTGGGCGGTTTTCAGCCCCTTTTTGTTAAACCCTTTCACTGGGTATACCGCGGGAGAGTATACCCCCCCG
GGGCAGCGTTAAAAGAACCGCCCCTTGTTGGCGACAAGANNN
Table1 4124
GCCGCCCGGGCAGGTACGCGGGGATGCGTGAAAGGTGCTGTGACCGCCCTCCGGGTTGTGGCTGG
TGGCCTTCGGTGTTTCGGGTTTGGCAGTTCACTCACCAAGGTGATCTGATGGAGTGCACTTCGCACGATTC
CAAAGAAGGGAGAAGACAGAGGAGAATGCCAGATGAAGACAGAAACAGAGATTGAAGTTATGTGGCCATAA
TTCAAGGATTGCTGGCAACACCAGAAGCCAAGAGAAAGATGAGGAAGAATTCTCCCCTAGACCTTTCAGAA
GGAGCGTGGCCCAGCCAACACCCTGACTTCAGACTTCTGGCCTCCAGAACTGTGAGAATAAATTCTTACTG
TTGTAATCCAAAAAAAAAAAAA
Table1 4126
ACGCGGGATGTCTCTTGTCAGCTGTCTTTCAGAAGACCTGGTGGGGCAAGTCCGTGGGCATCATG
TTGACCGAGCTGGAGAAAGCCTTGAACTCTATCATCGACGTCTACCACAAGTATGCGGCACGTCCGAGAGG
CTGAACAGCTCGACCTTCTCTGCACAGCAGGTCCAGCATCCTTTGAAACATGAGTTCTTACCAGCAGAAGC
AGACCTTTACCCCACCACCTCAGCTTCAACAGCAGCAGGTGAAACAACCCAGCCAGCCTCCACCTCAGGAA
ATATTTGTTCCCACAACCAAGGAGCCATGCCACTCAAAGGTTCCACAACCTGGAAACACAAAGATTCCAGA
GCCAGGCTGTACCAAGGTCCCTGAGCCAGGCTGTACCAAGGTCCCTGAGCCAGGTTGTACCAAGGTCCCTG
AGCCAGGATGTACCAAGGTCCCTGAGCCAGGTTGTACCAAGGTCCCTGAGCCAGGCTACACCAAGGTCCCT
GAGCCAGGCAGCATCAAGGTCCCTGACCAAGGCTTCATCAAGTTTCCTGAGCCAGGTGCCATCAAAGTTCC
TGAGCAAGGATACACCAAAGTTCCTGTGCCAGGCTACACAAAGGTACCAGAGCCATGTCCTTCAACGGTCA
CTCCAGGCCCAGCTCAGCAGAAGACCAAGCAGAAGTAATTTGGTGCACAGACAAGCCCTTGAGAAGCCAAC
CACCAGATGCTGGACACCCTCTTCCCATCTGTTTCTGTGTCTTAATGTCTGTAGACTTGTATCAGTACATT
TCAACCCAAGCATAGTCTCTCTCTTATTGTCTAAGATAGTATATAAAGTTTGGTACACACACTTTGAGATC
TGGAGACCTGGATTAGAGAAGTTAGTACGGGTCGGGCAGGGACTGAAATCGAGAAAGGTGTCTGGGCGCTA
TGGTTTAAAAAAAAAAAATTGGGGGCGATAAAAGGGGCGGAAAAGGTAAGGAGGGAAACGGGGATAAATAG
AGCCNNNNNNNN
Table1 4128
NCTGTTTGTATTCCCGTGTCATTCACTGATTTATTCTCCTAGCATTGCCCAAGACGAAAATTGTT
GTCCTCTGATTTAGACTAGTTATTTCCTCTTTAGGCAAAGAGGAACTGCACTTTAACATATTAAGGCATCT
TTTTCTTTCATTTGCGCACAATGCTGATTTTTGCAGTCCTATTTTACGCCTTAATGTGACAACTTCCTGGT
TTTTTTTTTTTTAAACCCAGAACTTAACTATTACAACAAACCTAGGCAATTTATTTTAATTGGCATAAAGAG
ACTGAATAACACCAGTAACTGACTGTGGCTTTCATGTGACCCTGGTTTGTGATGAGCTGTGCTGTGTTTTG

GGAATAGCATTAATATTTTCTTGCAGTTTGAGTTTAACTATCAACGGTTTCCTGGCATCTTTTGGTTGATG
TCAGACAGTAACATTTTAGATATGGCAGCCTGATTGTCACCTGCACATTTAGAGACAATTATTAGACTAGT
GGTTTTCCTTCTAAAGCCAAAGAGTTTTTTGATAATCTTCCTATATATACTGTTACACCCCCCAGTTTTGT
GAACACACAATAACTAGTCTTATGACTTGCGGTAATGCTGAATAATACATCTGTTGTGTTACTTTCCTAAT
GTATGATCTAAGTTGTATTACCATTGTCTTATGTTTTCCTTAACATTAAAACCTTTCTTTTGTTTGTTTAA
TTTTGTGTGTGTGTGTTATGGAATATACTGTTACTAATAAAAAATTAAACAGGAAACCCACAGGGGACAAA
AGGGTGTGTAGATGGTTAAGCTTGATGTCACACATATAAACAAGAGTATTTATAGCAAGGTTTATGTTTAA
AATTGTGTTTAAAATGGATAATTTATTAATGAACAGGAAAATAAGTCTAATTTCTTAATTCCACCCAAAGA
AATAAAAGGTTGATCCTCTTGGATTCTAAAAAAAAAGAAGGTCCATATTCTACCTTTTTGCAGTTGATTCC
AGAAGAAATTGGTTTATAGTGAATATTCACAGTACTTGCAGGTGGTTTGGCCTGGAAAATCTAGATGAGTG
GTTTTTAAATTTAGTTGCTTATTAGACTCAAGAAAGAAATTTAAAAAACAATACTGATTACTGAGACCAGC
TTTTCTAGATTCTTCATTCAGTAGGAGTAAGGAAAGGCCAATGAATGTGTATTGATAAAAAGGTTCCTGGC
CGGGTGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCAGGTGGATCACCTGAGGTCAG
GAGTTCAAGACCAGCCTGGCCAACATGGTGAAACCCCATCTCTACTAAAAATAGAAAAATTAGTCACGTGT
GGTGGCAGGGGCCTGTAATCTCAGCTACTTGGGAGGCTGAGGCAAGAGAATTGCTGGAACCTGGGAGGCAG
AGGTTGCAGTGAGCCGAAATATCACACCTTTGCACTCCAGCCTGGGCGACAACAGCGAGGCTCTGTCTCAN
AACAAAACANAACANAACAAAAAAGGCTTTTAGGTTGAGTCNNN

Table1 4132

NNNCCGAGGTACATCACATTTCTCAGCTTCAGTTTATTTACTGTGGGTCGTGCAATAGAACAATC
AGAATGCACATGCCTATGCTTTATCCTAGATGTGTTACTTTAGAATTTTGGAGGTGGTAGCTGGATAAGTG
CATCGTGGAAAAGCTTCTTCAGTGTATTCTGACACACTCCTTTCATGAAGAGGCATTGACTATACCATAAA
CCCTAGAAATACGTCATTGGCAATGCTACTGTTTTAAAGGAGAGAAAGGCATCTTTTTGTTTTTGACCCAG
AATGGCATTGCCTATAACAGGTGAAAGGGAATCATGCTATGTTAACAGGAATCAACATTATCCATTTTTGA
AGAGTTCATTAAACAGGCAATATTTATTTGGTTGTCTGTTCTATGTTAGGAGCTTTCAGTTCAGCACTCAG
GCAGCAAATAAGGTAATGCCTGTGCATATGCTCGGTCCTTTCTGTCTGTCCAAAGCTCCCCTCTTCTCCAT
TCCCCTTTTGCCTCAGTAACTCGTCTATTAAGATGTAAATCAAGAAATGCCTTCTGTCTCAGGGAAGCCCT
TACCAGAACCTCTAGGTAGAGTTAGAGGCTAACTCCACGGCACCCTAGAGTCCATAGCATGTTGTTATCAT
GTGTGTATCGTTGCATGTAAAAATATTCCTATTTGTTACGGTTTGCTTGTATGTGTTTGTCATTAATCTAT
TAATTCATTCAGTGAAGAGATGCCAACTTGTATACTAGCCTGGGAAACCTCTGTGTCCTCAGTGCCTAATT
TAATACTCCTTTTTCTATCTAGTAGTAAAATGAATATGAATGTACATGTCTGAGGTCTCTATAAATTAAAA
GGTAAAAAGTCTTAAGCCAGGTGTGGTGGCATGCACCTGTATTCGCAGATATTTGGGAGGTTGAGGTGGGA
GCATTGCTTGAGGCCAGAAGTTTGAGGCTGTAGTGTGCAATGCTCTTACCTGTGAATAGCCATGGCCCTCC
AACATGGGCAATGCAGTGAGACCCTGTCTTTTAAAAAAAANNNNNNNNNNNNN

Table1 4133

NNGCAGACAGTGACTTCGATGCTAAGAGCAGTGCGGATGATGTAATAGAAGAAACTAGAGTGAAC
TGCAGAAGGGAAAAGGTCATAGAGACCCCTGAGAATGACTTCAAGCACCACAGGAGTCGTAACCACTCTCG
TTCACCTAGTGTAGAAAGAGGGCAACAGTACGGCATGAAGAAAGAGAAAAGAGGGCTGCCGCGCTGGAAGC
ATGTTTGGATGTAACCAAGCAGAAAGATCTCAGTGGATTTTATAGGCACCTATTAAATCAAGCAGGTGGTG
AAGAGGAAGTACCTAAATGCAGCTTTCGTGAAGCCAGATCTGGTATAAAGGAAGAAAAATCAAGGGGCTTC
TCCAATGAAGTAAGTTCAAAAAACAGAATACCACAAGAGAAATGCATTCTTCAAACTGATGTGAAAGTAGA
GGAAAACCCAGATGCAGACAGTGACTTCGATGCTAAGAGCAGTGCGGATGATGAAATAGAAGAAACTAGAG
TGAACTGCAGAAGGGAAAAGGTCATAGAGACCCCTGAGAATGACTTCAAGCACCACAGGAGTCAAAACCAC
TCTCGGTCACCTAGTGAAGAAAGAGGGCACAGTACCAGGCACCACACGAAAGGATCACGAACGTCGAGAGG
ACATGAGAAAAGGGAAGATCAGCACCAGCAGAAGCAATCCAGAGACCAAGAGAACCATTACACTGACCGTG
ATTACCGGAAAGAAAGGGATTCTCATAGGCACAGAGAGGCCAGTCATAGAGATTCCCATTGGAAGAGGCAT
GAACAGGAAGATAAACCAAGGGCGAGGGACCAAAGAGAAAGAAGTGACAGAGTATGGAAAAGGGAGAAAGA
TAGGGAGAAATATTCCCAAAGAGAACAAGAAAGAGATAGACAACAAAATGATCAGAACCGACCCAGTGAGA
AAGGAGAGAAGGAAGAGAAAAGCAAGCAAAGGAAGAGCATATGAAAGTAAGGAGGAAGATTTGAAAATAAT
GATGAATACAGAGATAGAGAAAAACGAGGGGTGGTGTTCAGGCTTCAGGAAAGAATCAGGAAGAAGGGGAG
CGGGCCAATCTAGGGAAGATAATTTTGGGCAGAAGATCCCAATGTGAAATGGGGCCAGAGAAACAGGGAAC
TTTTTTTGTTTCTGGGGCACAAATCCCGGGGGGGCAGGGGGAACAAACCCGGGGGGTGTGGCAAAACNNNN

Table1 4134

ACAAAGGCCGCAGACAAGTTGTCAGCAACATTAGATAACTCAGGGAATATCATTCCCATAAATCT
TAAGGCAATCTACTTATCAGACGAATGAGTAACATACAATCAAAATGACTGGATGATGACTGGGGGGACAT
CAACATAAAGACTATGATGTGCATTCAATATTTACACGAAGAACTAGGATAAATGAAAGATGAGAGAGAGA
AAGAGAGAGAGCAAACAGTATATAATGGCTCTGTGCTCCAACAATGTGGGAACAACCTTATAAAGAATGTG
TAAGGACAGGAAGAACATATGCAAAAATGTCAGTGGTAACAGTGTTGGGTGGTGTTATTCTAAGAATGCTT
TGCGTGTGAATAGTAATGTTGTCTAGCTTAATTCTATCACCCTTGGTATTTCTGAAAACCAGGANNNNNN

Table1 4135

NNNCCGCTGNAAACGTGCCACTGCACTCCAGCCTGGGAGATAGAACGAGACTCCATCTCAAAAAA
GACAAAAACATTAGCCGAGCGAGGTGGGGCACGCCTGTAATCCCAGCTACTCATGAGGCTGAGGCAGGAGA
ATCACTTGAACCCAGGAGGAGGAGGTTGTAGTGAGTCAAGGTTGCACCACTGCACTCCAGCCTGGGTGACA
GAGTGAGACTGTCTCAAAAAATAAGTACATAAATAATAAGTAAAAGCTACTAACAATTAAAAAATAAATAA
ATAAAGACAAGACTGTCTGGAAAATGGCTCTCCTAAAAGGACCAGTTGCCATCATCCACAGTGGAAGATTC

AAAGCAGTTGGTCCTTGGTACGTATGAGAAGCGGATTTCATTCCCTTGAATTCTACAGAGCAGTTTATTAG
AGTGAATGCATTTTAAGGCCTTGCATTTGATATGTCATCCAGTTCATAATCAAGTTGCCTTTTTCTGGCTA
AAACATAATGATTATGTATTTTTCTCATTTGGTCCTACAAGCTGCTGGCCCTTTGTCCCTCCACTGTGGGA
ATCAGATCTAGAGCAGGCTGAGCCTGCAGACACAGCAGTGGCCAAAAGGTCACTCTAAGTGTTTTGTCTTG
ACTCCTTACTTGAAGTCCACCCAGCTAGCACACATCTGGTTTATACTGAAGCCCCCTGCCTAGAAATACTC
ATTTCAGGAACCACCAGTAAGCATCTGTGACCACACAGGCTTTTTGACTGATGGCTTCCCGGATCTGGTTT
CAAGGGATAACCCCGTCTGTGTGCATCTATGGTCTTCTCTCTACAGCGAGGACTTTGCAGTGCTGCTTGTG
GTCCACACAAGGGGCTCAGAGCTGAGTCTGAACTGCTTCATGGTCACCAGCTCCTGTCCCTTCCAGTCTTG
AGAGGCTTTTTTCTCCAGATGGAACCTTTCCTTCCCGCCGTTTTCTCGGTCTCTGGCTGTTTTTCTCTTGT
GCCCGTCTAATTGGACACCTCCTGGCTTCCATCTCTGTGGTTCTCCTGCCTCACTTCCTGTTCTGTTGTTT
TTCCGTTTTGTCAAAATATCTCCTATGTTCTTGGCTTCCTTTTCGTCGCCAGGTTTTCAGCTTTCCTTTAG
CTCTTCTTCTAATATGGCTTCTGCCCACAAAAGCCTGCTCTGTCAGGATCTCATGGTTCTCCACTTGCCAG
AACCTTCTTCAGCCTCAGTTCCTCGGCCTCAACTTGTACGTTTAACCCATTGACCACCACCCCCCAAATTC
ACCTTCATTTCTTTGACCCTGCTCCTCACTCCTTTTCTGTTGAGGAATCTGTTGACTAACTCCAGGCTCAC
TCAGGCTCACCGTCCTGCTCTCTGCACCAGCCTTTCCAGAGCGTGCCAGTTCTCATGGCTTCATCTGTTAA
CTGTGATCACTTCAGTCCTGATTTTTAGACTAAAGGTTCTTAAGCATTCTAACGGCGGGACCATTACTCAG
GGTTTGGAGCAACACATCGGGGTGGGTTCCAAATCCAGCACTTGGCACCAGTCGTTCCCCGAGGCTACCCT
GGGGCGACAAAGACACGCGCGCAACAAACCCCTTATCAAGATGGCCAACCTCGCGCCTGTGCTGCGTGCGA
GCATACATATCGACCCAACCACCACGACACCAACACCACGCCACAAACCCCACAGCAGAGCGTACACCCCA
CAGCCGCCAACCACGACAACCAACACGACCACACCACCACGATCCACACCCACACACAACGAGCACCACAG
CAACCACAGGGGAGAAGCAACCAAGCGGAGCGAGAAGGCGAGACGAGCAAGCAACGCACCACACCGAAAGC
GAGCAGCGACGGCCAGCGACAACACCGAGCCGACCGCACAACAACACACACCGAGACACGAACAGCACC
ACACGCACAACGCCGAGACCCAGCCTCGGGCAACACAGCGAAGACCACACGACACAACCCACAGCAGCAGC
GCGGAGGCACGCGGCCGAACCACGACACCCGACAGAGAACACGCAAAAAGACACAGAGCGAGCGACGCGCG
CGAGGAGTCCAAAGGACAAGCAACAAGGCACCAGAGCCAAGCCGACACAAGCGGACGCACACGAACCAGCA
AGGCACGCAAGCAGGAAAAGGAGGGAGCGAACACCGCAGCAGCGCGCCGACAAACCCGCACGAAACGAGAG
AACAGAGAGAGAAGGCAAGGAGGGGCATGGCAGGCAGCAAAGAGGAGGAGACAAGCAAGAGGAAGAGCGGA
CGAGCAGCAAAAGAAGGAGGCAAAACGAAGGAAACACAGAAGACCGAGCAGAGCGAGCAGAGATGCCGACC
GCAC

Table1 4136

NNNNNNNNNNNNCTCAAATACCCCAGGCAAAGTTACTAACCAGCAGTCTTAGAATGAGAATGCTT
TCCAGTGGGACACATCATTTATTTAATTCAGTTTTATCAATCTGAAAGCCTCATAGCTGAATACTAAAGAA
GAGTTGAGCTTTGAGGAGAAGCAGAGTATTTCATCATGGTTCAAACCAGTATCTGAAACAAGTAGGTTTCT
AGGGAGAAAAGATAATCTCTTACCAAGCATGTCAGTTCACCTGCCTTCATCAAAGGACTGACTGCATAGGT
GTTAACAATCATAATTCTGAAAGTTGCTCTTTGATATCAGTATATTCTATAATGTATTATTGGCTTTTAAA
TACCTCACCCTCCTCACAGTCTGTAGGACATTTTTATTTAACTTCTTGATTTGAATCAAAGCAGCTATTAC
TTCATTAGCTCTTTTGAAGTGTTCTTGGTTGAGAAGGAACAGCAAGGCTTATAGAAGAAAGCCAACTTTTC
AAATCAGTCTTTCTTTTGATCAGCGCTGAATCTGATACTACACTGTACTTTAATCAGAGGAAAAAATGGAG
ATTTGCCTTTTTTCTATGAAAATTTATCCATAATGAGGAAAGGAATAAAAGATATAGCTTTATCTCTTGTA
ATTGTCTAATTGCACTAAAACATCGTGGGCCCTGAATTTTACCGCAGTCATTCACCACATAACGACATTTT
GGTCAGTGATGAACTACATCTACGACAGTGGTCCCATAAGAATATAATTGAGCTGAAAAACTTGCTACCTT
ATGACATCATAGCGCAACATATGATTCATGTTTGTAGTGATACTAATGTAAACACACCTGTGCTGCCAGTC
ATAGAAGTATAGCACATACAGTTATTTACAGCGTATAATACCGTCGTGCATTGCTTAATGATGGGATGCAT
TCTGAGAAATGCCCTGTTAGGTGATGTCATTGTTGT

Table1 4141

NNAAGAGTGAGTACAGACTGTGTTGGGAACAAATGCAAGTCAGAATCTCCTTTCAGATTAGAACA
AAATATCATGCAAGGAGGGGATTAAAATGAACATAATTGAAGAAGCAGACATCTAATACAGAAGATGTAGT
AAAAAAGCAATGAAATTCTTAACCATATTATCCTAAAATAATTCACCCTCTTAAAGATTTTAGTATAATTT
TCTTTTTTCCTATACGTGGGTAAGTGCATTTTATCTTTATAAAATTTTGTAATTACCCTCCAACATAAGCA
TACTTAAATTTTTCGTGCATCATTAAATCACTTTGTATGCTTGCAAAATGTACTGTGCGCTGAAGTGATTA
ATTTACATATTCATTCTTGCTCTGTGATATTTAGGTGTTTGTTTTTGGTTAGTGCATTTATTCTGTTAAAA
TTTAAAATACATTTGTGTTTTTTATCCTGTTTTAAGTATATATATGTGGAATGTATATATAGGATGTATAC
ACAGACACACTCAGACACATATTTTAATTTAGATTTCTAGAAGGGAAATTTTAATTAAAAATAGGTGAACA
TTTTAAATGACCTAATACATATTTAGTCCACATTGAAACTTTGGCATTTTGTCATTGCCATTAAAATTTTG
ATGGCATTAAAATTTGATGCCATTAAAATTTTGATCAGTAGGTAGCATTTTTTTCTTAGCTACAATTGTTT
TTTTTAATTATAAGTATTAAAAATTCATGAAGATGATTCTTTTTGTAAAACAGTTTTGCATAAAAAGTAAG
TCTCATTTTAAAGCAACTACCAACTTACTGGCCTTTTCCTCCCCAGAGATAATCATTAAGTAAATAGCCAT
CAGACCTTGTCCTATGCATTGTGTGTGTAGTGGGGAGAGAGGAAGGGAGGACATGGGACACATTTGAAGTT
TGTGTGCATACGACACCGTGCTGTCTGTATTTTGACAATATGTCTTGGTGATCTTTTCATATCAGTACACA
TAAATCTACCTTATTTTACAAAGTGTGCGTGGTGTGATAACATTATTATTGTAATCGTTAGCTTGCTGCTG
GATATTTAGTCTGTTTGCATTGTTTGGCTATTAACAANNNNN

Table1 4142

gcgatggtacagtaagaaaagctccagaggggaaAAGCGAATATGTGAATTATCTAATCTCAGCC
ACTGATCCAACTCCATAGTCTGTGACTTTTGGAGTCCTCCAATACTTcgcAAGCTGCATGTTCACATTTAA

Table 6
713/3331

AGTTTCTGGGGGAAAACGAACAGGGTAGAGTTTTAGGAAATACCAGATGTTGCTGCGATTTTCTACAGTGA
AGGGGCGTGGAAGGGGACAATGGGAGTAGAAGCGGGTTTCTGAAGTTGTGTTTGTACTTGATTTTAAGCGA
GCTGTGAACAACTCGTGTCCAAATAAGTGGCTGAGAGGTGGTCCTAAGTAAGCACAAGTTTAGTAGTAGAG
TACTCGTAACACAGAACTGGCTGAAACCCCGCCCTCTTGTCTACGGGCGTTCTTTCAGGGCGACTTTGTCA
GTACCCCAAACTGTCCCCGCATGAGGTCACTCTGCACGGtcacgtgctcGAGCCCgcgggagcgccacatc
gccagccgcacccctccacccccaccctgcccacgtgacccggcctagtttctccaggcccgtccctacgt
ctcactcgggaagccccgcccacgctgagcgctccgcctgcgagcctccgccaattacaccaccccggctc
aagcaccgaaccgggatccacgtgcttaactgtccaatgggagccggctcccgggcgcggaaggggcgggg
caggacaaggaacgacTGTGctacgTTggcccgAaaGGGGCGGGACCTGCAACGTCCGACAGAACGAGGGG
ACGTAACGGAGGCAGGTTGGAGCCGCTGCCGTCGCCATGACCCGCGGTAACCAGCGTGAGCTCGCCCGCCA
GAAGAATATGAAAAAGCAGAGCGACTCGGTTAAGGGAAAGCGCCGAGATGACGGGCTTTCTGCTGCCGCCC
GCAAGCAGAGGGACTCGGAGATCATGCAGCAGAAGAAGCAGAAAAAGGCAAACGAGAAGAAGGAGGAACCC
AAGTAGCTTTGTGGCTTCGTGTCCAACCCTCTTGCCCTTCGCCTGTGTGCCTGGAGCCAGTCCCACCACGC
TCGCGTTTCCTCCTGTAGTGCTCACAGGTCCCAGCACCGATGGCATTCCCTTTGCCCTGAGTCTGCAGCGG
GTCCCTTTTGTGCTTCCTTCCCCTCAGGTAGCCTCTCTCCCCCTGGGCCACTCCCGGGGGGTtgAGGGGCT
GGGCCACTCCCGGGGGTGAGGGgtACCCCTTCCCCTGGGCCACTCCCGGGGGTGAGGGGGTTACCCCTTC
CCAGTGTTTTTTATTCCTGTGGGGCTCACCCCAAAGTATTAAAAGTAGCTTTGTAATTCCTTGAGCGCCTG
GTTTGACTGGGGACTTGGGGGGATGGGGTTGGAAGAATGACTGCCCTTTCCCACCAAAAAAGGGAGAACTC
TTTAGATTCAGATTGTGGGTATGTAGACTTAATAAGTGAAACATCACAGAAGAAGCCTTTATTATACAATG
ACAACCAAACAAGTACTCCGGATATGCAGTAGAGGAATCCTCTAAGAACCATAGAGACTTCTTTTCTGTGA
TTTTTGTTCCCCACCCTTGAACACCATCTCTAGGATGGAGTTGGCCTAAGAGTGAATGCTGCAAGATCTGT
GTTTATGCCTCTTTTCCTCATTCTTCCTCAGTTTGTTCGTCTGCTTGAAAGTTGGCCAAAAAATCCTGCTG
CTCACCGACTTCCCGTGGTCAGCTGCTGTCAAGCGTTCACTTTCTCTTCTGTCATTCCTCATGGAATGAGG
GTGGTTTTGTCTTCCCGCTTCCCTTGACCTCAAAATCAGGATTAAAACCTGGGGTAGCCTCTGTGCTCCTT
TCTTCTATGCCCTGGTTTGTTCTGTGGTTCTGGGCTTCTTATATCCGTGTGCCCAGGGCTGAACTCCTTAT
TTTCCTTTCTCCAAGGGCAGAGCCGAGTCTTCAGTCCCTGTTGGTCTTTCCCCACCCCCACTTCCAGCCCA
AGAGCCAGGAAAGGGCTGGTGCCACACTGTCTGCTGGGATCAGCGGTGGTTCTTTGAGCTGCTGATTTGGG
TGTTAGGCTCTTGAGCTGGGATGCAGATGTAACAGTAGCTCCAGTGAGTCAGACACTCTGCCCAGCACATT
AGACTGTGTTTGACCACTTCTTCCAGTTCATAGTATTGACTTCAGCCCAAACGGAGATAACTCCCTGTGTG
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CCAGTTTGTGAAAAGGACTTAGACTGGAGGATATTTGTTATCTGGGGATATGATGCGGTGGCGGCGGCGCC
TCAAGATAAGGGGCTGGGGTTTCTGGGTGGGGGGCCAACAGAGTGGTGCCAGTAACAGCCCCAGATAGAGG
AGTACGCAGGCCCAGCATGAGGCAACCTTGACCCAGAAGGTGGCCCAGCTACCCTTGATGAAGGTCTTTTC
CAGTTCTGCTCCCTCATAGCTGTGTAACCAAAGGCTCTGGTTAGAGAATATGAAGGGCCTTAGCTTTTAGA
CCTGTTCTACCTCCTCACCAAATATAATGGCAGACCCATGTGTGTCTGGAATGGCCTTGAATTGCTCTTTC
CTTAAAATAGCTAGCTCTTCAGGAGAGTATCTAAGGCCCACTCCATCTTACCTGAACCAGTTGGTAAGGGT
AACCATGACATAGAGTGAGGCAAGGAAGAAGACGAAGTGGAAGGCAGAATAGTTGTAGGAAAGATGCTGGA
CTTGGACTGGAGGAGCTGGAGGGGTTTCTTGGTCAGCTGGCCTCGCAGCCCCACCCCTTTGCCCTGGAGAG
AGGAAATGGCTGCTGGGAGCAGAGCTGCTGAAACACCTCTTCCCCTCTCCCCCAACTACCTTTGTTAAGGC
TCTTGAGGGTTCTTATGGCACTCCACAGAGATCTACCACTTCTTATGGTTCCTCACTTGGCACTCACCTTT
GTCTGCCTCCACTGTTTCAGGGCAGCAGAAACACAGTGAGGGCTTCTGCAAAACAGAACGCAGGTTTTGGA
ATGGTCTTAAAAGATGTGAGGGTGTTAATCTAGGAAACTTCCCCCGTGAAAAGATTGGTCTAGTATTAAAA
AGTGGAGGCACACCTGGGTTCAAATTCTAGCTCCAGCATATAAGTGGCTGTGCAGACTTTGGTAAGATGTT
TAATCTTTTGTGCCTCGATTTCTCCATTTGTAAAATGGAGCAAATACCTACCTCACAGGGTTGTTGTGAGG
GTacacattcacatggagaattctgtcaagacacacaaccacgcacgcacgaaacgcaaaacaacacaaac
acccaccacgccggaggagacggaagcacacaacaccaagcacgcagcaccaaggcgcgaagcacgaacca
cgacaagggagacacggacccagacacacgcgagcgcggcgcacagcacacaggcgcacgacgggacaaac
accgagcaggcagagggagcaccgagagaaagacagagagagcggaccaacaaagggagcagaaggcgtag
ggaacagggcgaacggacgacccaaccagccggagccggagtggagcacgcgtcggaagaagtataacaca
ccgcagagccagacacccgcacaccacgac

Table1 4143

GTATACTATTTGTATACTATTGCCATCTGCTGATGTCGATATAGAACTACAAATATGTAATCCAA
ATGGGAAGATTTCACCTCACAGGGTTAAGAGCAGCACACTCATAACTTGGAAAATAGTTGAGATTTTATTT
TCAAAAGTAATTATTATAAAAAAATCCTTAGTGGATGAAGTTTAAAAAAACCTCTACAATGTTTGCAAGAA
TTTGTGTGCTCCATCCATCCTACATAACATAGAAGTTGGATTACTCATCTTGATTCAATGTACCATTGGTG
GCCAATTGATTTGATGGTAAGGGAGGGATTCGTTGACCTCGTCTGTTATGTAAAGGATGCCTAGGGATGGG
AGGGCGATGAGGACTAGGATGATGGCG

Table1 4145

NNNNAGAACAAGAAGGTACCACTTTGTATAATATTCAAAATCTATACAGCACATTGCTAAGCAGA
GTATACACTCAAGAAATGTAGAATTGGTAATATTATACTAGAAAATGAACTTCCAGTATTGCTATTATTTT
ACTAATTTGCATAGGCACTGACCTCTGAAGAGGGAACACGTATGTAGAAGTGCCTTTGAGATAGGAAATTG
TGAGAGTCCCTAACTTTTACATACATATTAGATTAATTTGAGCCTACATAAAAAGAAAACAAATTTGTGAG
GATTTGAGGGGGGAAAATCAGGGGACTTCCTGTTTGCAGCTCTTATCATTGGGAGAACAGTAAATTAGATC

Table 6
714/3331

TAGACTAATATATTTGGTCTCTCTAATTTATGGCAATTTTGTTAACTTTGTCATTGAGTGGAATGCTGAAC
AAANTTTCTATGGNCAN
Table1 4146
CTGTTTTGGGGAAAAAAAATCACATTCCATTTTTTTTTCCCCATGATATGGATAATAAAGGCTGG
ATGTCTCTGACCTAGGGTGACTGCAGTCTCAATTTACATCTTATGTCCGGACGTCCCATTCAATGTCGCAT
TCATTCCAGACAAAAGCGTCCCAGTTTAGATGACAGATTATATGACTGCCCTTTTTTGTCCTCAAGGTATG
ATCCAAAGGGAAGCATCTTTCTCTGCCATTGCTGTTTCCCACGCGGGCCAACTGCTCAAATGTTCAAGTGG
AGTCACGGCTCGGTTATCCAATCTGGCTCCAAAGATGTCCTTTTTGGCGAGATCAATTCCAGAAACAACTT
TTACT
Table1 4147
ACGCGGGGCTGCAGCGGGAGCTCCAGGTTTATCCTCAGTGTTCTGTGTCCTGTGCTTATAGAGGC
CCGTCCTCTGTGGCCGTGTGACCTGCAAGTATTGGGAGAGCCACAGCTAAACCCCGGGACCCCTGGAAGCC
TAGAAATGTTATGAGTTCTCATTTTGTCCAAGACCTTTGGCCAGAGAACATACAAAATTCTTTCCAAATAG
GGATGCTGAGAAGATATGAAGAATGCAGACATGACAATTTACAGTTAAAAAAAGGCTGTAAAAGCGTGGGT
GAGCATAAGGTGCACAAAGGAGGTTATAATGGACTTAACCAATGTTTGGCAACtacCcagaAAGAAATATt
Table1 4148
GCTGAATTGTTTCTGACTACCATTATGCAAGTAGGGGGGGAGATACATATACAGGAGTTTCTGAG
TGTTCTTTCCTAAAACTTGTGCACATTATGTTTGTATTTGAAATAGAGGCAGTGTTTAGAATGAACGTGGC
TGTGCTATACTTCTTGATTTCAGTGTTACAACAAAGATTAGATTAAAGGAACAACAAACAGCATGTTACAA
GAAGCATTCCAATTTTCCAGTAAGAACTGAGTCATGCAAGAGAGACCATACAGGTTCCACAATTAATCTAA
TGCAAATTTTAAAAGAATATAGGACTCCCAGACATGAAGAAACTTGAGCCACAGATTTAGTCCAATGACTT
CAGAAATATTTCCANNNNNN
Table1 4150
NNNNACCCAAACAGAGTGGGGGAGTTTTCCAAGAGAAGAGAACAGCATGTACCAAGGTCCTAAAG
CCTTCAATTCTTCGAAAGGAATTAGAAAGAAGGCCAGTTTGGCTTCAATGTGTAACCATGAGGGAAAGAGG
CAGGAGGAAGAGATCAGGCAGGCCCTGGTAGGCCATGTTAGATGAGTGTAGTTTTTATTTTAAGTGCAGTG
GAAAGCCAGATAAGGGTTTTTTTGTTTTTGTTTTTGTTTTTATTTTGAGACGGAGTATTTCTCTTTCGCCC
AACCTGTAN
Table1 4151
CGCGGTGGCGGCCGCCCGGCAGGTACATGGTTCTTCCTCAGAAAGTGGTTCTTCCTTAATGTGTT
TCTTTTTACCCCTTTTCTTCTTCTTCTTCACAGATGTTTCTTCTTCTTCTGCCACTTTTTCTTCTTCCTCT
TCTTCAACTGAATAGGGTAAGTGTAAAGGCACAACAAATTAACACTGTATCAGATCTCATTCCTTCCAAAA
ACGTTTGAGTCCTAGTTTTTTTTCTGTCATTCTCATCAACTACCCAATGTTTGTTTTGTTTATTTTATAATT
GGGAAGGTTCTCCAAGGCCTACCACTAACTTTAACGAATGATATAGATAGAGCTCAGAGCAATCTTCTCAC
GATCATGAAGTCATGTATAAAAATCAGGATTAAAACAAAGGTCATCTGATCTCCAATCATTATTGGGAAGA
AAGTCAATTATATTAGAAATGGTTAAGAGCTTGCACTCTGAAGTCAGACGGCCTGGGTTTAATCTACCTGC
TGCAACCCTGAAAAATTGTATTTACCCTTGGTGAAGCTCCCTATCTATAAAACTTAAGAATGTCTTATCTT
ACTGGACTGTTACTGATTTAAAAAGATGATGCATAGAAAGCACTAAGTATAATGCTTAGCACACATTACAA
TAAGGACTCAACACATAGCTATCATTAGACATTCAGTGACCAGCTGGGTGCAGTGGCTCACGCCTGTAATC
TCAGCACTTTGGGAGGCTGAGGCGGGAGGATCACTTGAGGTCAGGATATCAAGACCAGCCTGGCCAACATG
GTGAAATCCTGTATCTAATAAAAATACAAAAAAGTTAGCTAGGCATGGTGGTGCATGCCTGTAATCCCAGT
TATTCAGGAGGCTGAAGCACGAGAATTGCTTGAACCCAGGAGGCGGAGGCTGCAGTCAGCCAAGATCACGC
CACTGCACTTCAGCCTGGGCGACAGAGGGAGACTCTGTCTCANNNNNNNNNNNNNNNNNNNNNNNNNNN
Table1 4152
ACGCGGGGGTGGGGGGGACTACAGGTGCCCGCCACCATGCCTGGCTAATTTTTTTATATTTTTTAG
TAGAGACAGTGTTTCACCGTGTTAGTCAGGATGGTCTCGATCTTCTGACATCGTGATCCACCCGCCTCGGC
CTCCCAAAGTGCTAGGATTACAGGCGTGAGTCACTGCACTCAGTCAGGTTTTCAGGTGCTGGTTCCATGGC
TCTTCCTGAGCCGAAAATAAGGAAACTCCATAGACCTTGTCCACTGGAACTCGTTCCCATCTACCCTCCAC
TCTATCCAGGGTGATGGATCTCTGCAGTAAGTGGAAGAGTTCTTCATGGCCCCCAAGGTTATATCCATCTA
GAACTTCAGCACGTTATTTCATCTGGAAATAGTGCCCNNNN
Table1 4154
CTGTCGTTGTTGCTGTTTGTTGGGTTTGCTTGTGTGCTTTTGTCCTGTAACTACTCAATAAATAA
CACAAAAGATAAAAGGCTTTGAGAACCTTAACTTTTTTTTTCTATTGGCTTGGGGTGTAAATCCACTGCAAC
AACTATTACTACTTGAAAAGATATGCTAGAGTAAATAGAACAATACAGTTAAATTCACCTGAAGTCTTTAA
AATCTTTTTTTTTTTCCGGGTATTTTTAACCCATGTGGCAAAAAGGCATTACCATACAATTTTAGCTGTTGG
TAACAAATTATCTCTTTTACATTGCTTTCCCAACTAATTCTGCATAGCACTTTCATATTTTACTAGAATAG
TATTATGACTAGAAGTGAATGATTAGCATAAAAATTCTCTAAACTATTAATGAATAATTTACATAGCAATT
TTTAAAAGGTAATTCATAATTGTCCAAACATCACTCTCAGTTTCCTAAAGGAGATTACTTGTGAAAACACT
CATTTGTCAGTTTTAAAGTGGAACTCATCCTATATTTCTCTTTGCAATTTACTCTTCAAATTAAACTACAT
CTTAGTGTATATCCATGCTAAGTTTCTTGAGCNN
Table1 4159
TTACTTGTTTCACTAACATACATAGGGTGTCATTTCTCATCGCTTTCAACCTTTTTCTGGTTTTA
GTTTTCAAAAATTTGACTATGAATGTGTCTTGCTGTAGTTTTCTTTGGATTCAGCCAGCTTATTGAATCTG
TAGGTTTATTTCTTTTGCCAAATTCAGAAAATTTTCAACCATTAGTTCTTCAAGTACTTTTCTTTTCAGTC

Table 6
715/3331

CTACCCACTTTCTATTCCCCTGGGACTCCAATGAAATAAATGTTAGATCTTTTGTTACTGTTCCAAATGCC
CCTGAAGCTCTGTTTGTTGGTTGGTTGGTTTTCTTCCCCCAGTTGATTTTCTCTCTATTGTTCTTATTGGG
TAATTTCTATTTTCAGGTCCACTGATTCTCTCCTCTCCCCACTCCCTTCTGCTGTTGAATCCATCTACTAA
GCTTTTTGTTTTGGCTACTGTATTTTTCAGTTGAAAATTTTCTACTTTTTTTAAATCATCTATGGCGTTGC
TGAGACTTTTCTATTTTTGGCTGAAACATTCTAATTTTCTACTTGGCTTAAGCATGGTATAACTGCTTGCT
GAAGTAATTTTATGATACCCGCGTTAATTAATTCTAGAAGTACCCCGANNNNNNNNNNNN
Table1 4161
aaattttggaagtttttttttttaaaaagtttaacgggcgccctttttTTTTTTTTTTTTTttga
GGTTTTATTATTTTTATTTATTTTTGAGACTGAGTCTTGCTCTGTCATCAGGCTGGAGTGCAGTGGCTCAC
TGCAACCTCCGCCTCCCAGGTTCAAGCAATTCTCCTGCCTCAGCCTCCCTAGTAGCTGGGATTACAGGTGT
CCACCACCATGCCCAATTAATTTTTGTATTTTTGGTACAGACAGGGTTTCACCATGTTGGCCAGGATGGTC
TCGATCTCGTTGACCTTGTGATCCGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACC
GCCCCTGGACTACTTATGGAGGTTTTAAAAAATCTTTTAAGTCCAGGCCTGACGTTTAGAGAAGGTTACAA
AGGCGGCCAGGATCTGAGTATTTCCAAAAAGCTCTGGAGGCAGCATTGAGGTTTCCTTCCAGTTGAATCAC
TGACTTTAGGTCGACTGGGGTACTTTGGGTTTTTTGGGCCATTTTTTGGGGGTGTGGGAAGCTTTTCTCAC
AGATTTACTAGGAGTGGTGAAAAACTTGGCCTCTGGCTTTTTTGGAGTCTGTCTCGCATCTTTTTTCCCCA
GCGAAGGACTTTTTTTCCTTCACTGCCTCTTCTTTGATTTTTGGCTTCTTCTCTGGGCTTTTCCCTGGGGTC
TCAGACTCTGCAGCTTTTGGGGTCTCAGATGCTGGCAAAGCCTTTCTTTTCTTCCCACGAGGTGTGCTGGG
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TCTTCTTTCCTATTGGTACCAGCTGTGGGATTTCGTCTTCGGATTCATTTGTTGCTTTAACTTGGGCTTTT
CCTCTGCCACGTTTTTTCTTCCCATGCTCTGGGGTCTGTTCCTTCTTTGATTCAGGTTTCTTCACTGTAGT
ATCACCACTTTCAGGTGCCACATCATCTTTACTAAGAACTGATGCAGTCTTCCTAGCCTGCTGCCTCTTCT
TCTTCCTCTCCTTTTGTTTTTCAAAATTTCTTTCTCTTCGTTTTCTCCTTGCCTCTTTTTTCTTCTTATTA
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CTCAGTTTTCACAAACAGGAGTTTCACGCTCTCCCACTTCTCTGGCAATTTTTCTGAAAGTCCTTTGGTGA
CAGCAACAATGTTTTCAATGATGTGCTCAATTTGCATTCCAACGTGACCAATACGTATAGCACTGCAAGAA
CCACTTTTAGAAATGTTTAAGACTGTTCCACCTATACAGTCATTGATCTCTCTTGATAAATTCTTGGACAG
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TAATTCTGGCATCAGTAAGGAAGAAATCAAAACTGCTCAGAAGGCGGAGCTTGGCTTCATAGGATTTATAT
TCCTTCTTTAGAGTTTGGAGGGAGATAATCTGAGAAACGGTTTTAATTCCATGCTTGTTTAAAAGCTTTCT
ATAAAACTGTTCTGTCTTTTCAGGAGTTGAATTGGGTTCATCCTTCGTAAATAAACAGATATCTTCTGAAT
CTGATCGAATACTATGAGGCAAGGTCAATCTGACCCTCAGTTCTTTACTTGGAATTTTCCATAATACCACC
ATTAAAAATAAACTTTCATTCTCATTCAAAAGCAACCCATAATTGTTTTTCCTGGACTTGCAATGCGTCAA
GAGAGCGTCCACTGCCTTTCTAACCTGTTCTTTATCCAGCTGCTTCCGTGCTGTCGGGGCCGCTGGAGTCG
AGGTGGAGGTTCCAGTAGCGGCTGCAGAAGACAGCGAGGCCGAGGCCGAATCCTCCATCTTGTTTCCACCT
CGTGAAGAGGCGCGTGTGCAACCCCACTGCTGGCTTCTGGTGCGCACCCACGCGTCcgCGGACGCGTGGGT
CGACTCCct
Table1 4162
NNNNNNGATGCTCTATATGTTAAGTAGTAGGAGAAAGATATTAAAAAGATGTCTGTCCCCAGTAA
ATTTCTAATCTAGCAATCGAGGCAAGTGAAAGAAATACTAGGAAACCACCAGGTAATGCATCTGCAAAAGC
TAAAATGACATTGCACCTACTGTGGCAGCTAAGAGGGATTAGGAGAGGAAAGACACACGCTTTGATATAGG
ATTATCAAATTTTCTTTCTTGGGAATTTTCTTGACAGGCTTCATGGAAAGGCAGGGCATAAGGTGGGCTTT
GGTAGAGAGCAAATTTGTGAGTTTCAGGAAACAGTATTTCAGCTGGGTAACAAGAGCCCAGACTCATGGAA
ATGGCTGAAAGTGTTGCTCTGAAAGGGAAGAGAAGGGAAGCAGGGATCCTTCTGCCCATGCCTAGAGACCT
GGCTTATCCTTGCATGAGTGCAGGCACATGGTGAACCACTCAGTGTGACTTCACGGTCAAGCAAGAGAGTG
CCTTCAGGTGGGATTTGCTTCACTCTGACATTACCAGCAGTACAGGCTGATGTCAGTGTCCCTGTGCATAA
GGTTCCTTGTGACACCATTACAGAGTCCTAAGCCTCCATTAGTCACTTGAGGCACTTCTAAGTACAACAGT
TTTTTAAAAGATTTCACTGACATTTGCAACAATTTTTTTTCTAATTTCTTTTGGTGCCATTTTAGTAACTTA
ACAATTGCTTTAATAGACAAAACTCAATCATGCATGATCAATCACAGGTGAGAAAATAGAGGCGTGCTTAC
TAATGGCAGCAAAAGGCTTCTGTGGGGGTGTGCGGGATGGAACAGCTAGCTAGCTAGAAAGGGGCTTCTTT
ATAGAGGGACTCCAGTGTCAGGCAGGGGCACTGAAATCTAGGGGTCACCAAGGGCCACAGCACAGGGGACT
GAGGGAGAATCCAGTGGCTGGAACTCTCCTCACCAGTCACCTGCCTTCATTGTTAAACCTCACAGTATTTT
CAGGCCACCATGCCACAAAGGAAAATGTACTGGGTAGAGGCAGGAGGCCCGCGTTAATTAATTCTAGAAGA
CTTCCGANNNNNNNNNNN
Table1 4166
GGCGGCCGAGGTACTAAAATTGTGTTGGGAGCAGGGATTTGGAAATTTCTGAGAGATGTGTAGTT
AATTTAGTAATTCTGTTTCATGAGATATGATCTGTTATGCTAGTGGTTTAATAGGCTTGCTATGTAAGTAG
AACGTGGCTCAACTAGATATCTTTATATGTATGGGCATTACTCTTAGTGATATTTGTTTCCTGTCCTTTGT
TGCTCATGCTGTTTAAGTGCAGGCCGAGACCCAGCCTCTTTGTAAGTACCAAAATGATGCAAGAATGATAA
GTAAATGTGTAAATAATTTGCAGAGGAGCGTTTTAGGGTAGGAATGGCGATTGCTAAAAGGTAAATTTAAT
AAAAAGGTGCTTCCTTTCCTCAAATAGTTTCGCACCCCTCATCGGATCATN
Table1 4168
GTAGAGACAGGGTTTCACCATGTTAGCCAGGATGGTCTGGATCTCCTCTGACCTCATGATCCACC
CACCTCAGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCTGGCCGGGTCAGGCTCTTTCTA

Table 6
716/3331

ATCTGTTTAAAACCATATCACCCAGAAGGTATTCAGTATATACTTTATTTAAATGAATTGAAAGTCATATGA
GCAGCATGGACTTACTACTTTAAAAACCACATTATTAGAAACCTAACACCTTGGAAGCTCTGCATATTCTG
AATGAAGAATATACTAAACCACTCAGAGGGAAATAGTTATTAACCATTTTACCACAGACGACTAAACAACT
ACCATGGCCCTTCCCTTGTTTCAGCTGGTCTGGGTCTTAAAAAGACTTTGGAAAACCCAATCTACCCTCCT
CTAGCAGCAAATCAATTCCCACAGTCAGCCAGGAGGTTCTAACCACTGCCCTACCTCTTTCACCAAGGAAC
AAGCCCTAGATTTTTGCTGTTTCTAAAAATATGCAGCTTTTAAATATATCCATCATTTCGGTGCTCTCTAC
TGCAGAGCTTAATAAAAGCAAAGCCACTGAAATTCAGGAGATGCCACAGCTCAAAGT
Table1 4169
atagggcgattggAGCTCCACCGCGGTGGTGACCTAAGTGTATATTTATCCAAACATCTAATTTA
TTCCAGCTTTAGATCttcTcGCATCTGAGTTATTAAAATACACATTTAATTTACAATACCTACTAGTATTT
ATCAAAAATTTACTGAAATTATTCATGGTATTTGGGGGGAAACACTATCTAAAAAGGACCCATGATTGATT
ATTTATTTATTTATTTATTTAGTGCACTTGATTTTGCAGATGAGTCTGGAAGTGTTAGTTGCAAAGATATG
CATTTACTTCTCTGGCTACAAAAAAGAATAGAAATGCACAAAGCAGAGCAGTGTGAAGAAGAAGAGGCGAT
GACCCCTAGACCGACCAAAGCCCGTGCTCCACTGCCCAGTGCCTATGTCCCACCACTGTCGCTGCCACCCT
GCCCGAGAGAAAGGCTGAAGGGGATGCTAAAGGAGATAAAACCAAGGTTAAGTAGGAACTGCAGAGAAGAT
CCACAAGGTTGTCTGCTAAACCTGCTCCTCCAAAGCCACAGCCGAAGCCCAGAAAGGCCTCTGCAAAGAAG
AGAGAGAAGGT
Table1 4170
ACGTGAAAGCGCTTTGAAGATCACAAACCCATTTAGAAATAGGTGGGTTGCTCTTCCTCAAATCT
TTGAAAGCTGTCTACTACTATAAATTCATTCATTCATATCTTTCCCTCATTCCTTTCAGTTTTTTAAAAAT
GTATTCTATCCAACTTACATGTAAGCACTTTGCAAACACTCACTCATTTACTATGAATAACAATCCTACTA
TATTCACAATTATCATTTCCCCGCTTTACAGAAGAGGAAACTGAGGCACAGAGATTAGACAGTGTAGGCAG
GATTCAAACTCAGGTGGTCTGGCTCTACTGTCCTTGCTCTTAACCTAGGCCCACCTACAGTTATCCAGGTT
TCTGTTTACTAATCCTCAGCCATCTTCCTCTGATCAGAATCAACATA
Table1 4171
GCCGCTTTTTTTTTTTTTTTTAGGTATTATAAGGCAAATTTGACTGGTATGTGATATGTCATAG
TGTATATGCTCCATACTTTTAGTCTTTTTCATGTTTCTATACTTTTTTGTCTATGAGTCAGATATTTATTT
CAATGACAAATATTTTCTCTAAAATAAGATATACTCAAATAATTCTTTCCAAAGATATCACTATCATGCTA
ACAGAATATCTGATTCATTTATTGTTTCTTTCAAATTTTATCCAGCAGTTTAGTATCATGTTGTCATTTAT
AAGATATGTGTAAATATATTATGTTTAAGATTTTATAGAAATTCTAGTTGACTGAAATGTTTTGAAAATCG
CCTTTTATCTAAGAAATTCAAATGCATCACAGTCATTCACATTAGGGCTCTGGAAGATAATAAAGCGGGCC
TAAAATAGAAGGCTTTTATGTATTTTGCTCTCGTCTTTATATTTTATATCTCATAGAGGACAAGAGGGAAC
AACAAAGCCATAGAATTTTTTTAAACTTTTGTTTTTTTTCTTTTCGTTTTGGTTCAACATTTCTTATCTGC
TTTCTGTCATAGGAAGAACACATTGAGTGTAGTATTGGTAGGATCCTTCAGCACCCTGCTTCTGTTATGCA
AGCTCAATGGGAAAATTCCTCTCTCCCCGCCCCTTGGCAGACAGAGCTCATGATGGTAGAGTTTTGAATGA
AGATGTGGTATGCTCTGGTAATGAGCATCCAACTGCTGTGTGGAATGTTAGTGTCTTGGCGAGAATGTTCA
TAATACCTAACTTCCAGAATCCCTTTGGGCCTCACACATTTTCCAGAACTACCTCCCACCAATGTGCGGAC
TTTTTATTCTACCGGTAATTTCCTTTCTTGCTTGTGACAGCCAGTTGTTTCTGCCGCTTGCCCCAAGGGCC
CTATGATCATCAACCTGCACCTGTGAGAAGCCTGCTAATGCAGCATTTTGGAAATTTGAATGACTTGCTTT
GGGTAGGTCATATATCTAGCTCATTCTTGATGGAATGAAGAATCCCGCGT
Table1 4173
ACAAACTCTGTTTAGATAAAGAATTAAACAAAACTTCCATTTTTATTAATAATTCAAGTATAATC
CATAATATGATTATTAGGTGTTATAACTAATAAGTTGTTATTTTATATCTTAATGTAGGTAAAGAGAACTG
GTCTTGTGGTGGTGAAAAACATGAAAATTGTTGGTCTCCACTGTTCTAGTGAAGATTTACATGCCGGGCAG
ATTGCTCTTATTAAACATGGGTCAAGGCTGAAAAACTGTGATCTTTATTTTTCCAGAAAACCATGTTCTGC
TTGTTTGAAAATGATTGTAAATGGTAAGTGCAGAAAAGGGTTTGTTGGGGATTAAGAGTATTTATCTGGGA
TGGGCGTGGGGGTTTATGCCTGTCATCCCAGCACTTT
Table1 4174
ACACCAAAGTCTTTATCTGACAGGAGCTGAGCCAGCGATTTTTCAAGGCAAGACAGTGACCAGCT
GAACTCCTGAGATAATGAGTATATCATTTCTCCTTGGCAAAGGTTATGGAATTAAAGAGAATAAATAACTT
AGTTCATACTTCCTCCCTCAAAGTTAAAAGATATTCCCTTTGCAGCGAAAAATGGAGCTTTGAGGCTCCTT
CGAGAAACGCTCCTTGGGGTTGTAGAAAGGAGGAAGAGGTTAGCATGATTTTAAAGCAACTGGCATCTCTG
CAGCTAACCAAGTTGGAGACATTAGGGCTTCTTGTGGCCATTAACTTTTGTGTATCTCACATCTCCTTCAG
AACTTACGCTGGAAAAACTCCAACAGCTTCATATGGACAGATGGACTTCAAATGCTGTTTGTATTCCAGAG
ACTAGGTAAGGACCAGAGCAAGGTCAGGCCTCTCTCAGGTCCCACATGTGTCTCTGTCAGTGAGGGCCTTG
ATGCTGGCTTCCCAGACCTGTCCCAGCTGGCTTGGGATGG
Table1 4176
ACCCTGCACACACTAGGTTCTCAAGAAATATTCATGTAATAAGTGAATAATTGAATGAATGAATG
ACTAAGTGAAACTTCTCTTTACAACAAGCAAATGTAATAGCCCTTTCTAAGCTCTCATCATCCTCATTGTC
CTTGGTGGATTCCCACCACACTCAGAATTCCTTTTCACCTTTCCATGCATATGAGGCCCCACCTAATCAGG
TGCTGGTCTTCTTAGCTTTCTGTCTCCTACCACTTTTTGTCTTGCTTCGGGAACTCCACTGTCTTTTCTGT
TATAGGAACATGCTAAGGTTATTCTTCATAGTCAAGAGCACAAGCTCTGAACCCAGCCAAATCTGTTTTTG
AACTCAAGTTCCACTTATTGCTAGCTGTGTGATATTGGGAAATTCTTTATGTTCTGTAACCCTCACCTCCC
TCATGTGTAAAATGGAAGTAATGATGGTACCTGTCTCATATGTGGCAACTACGTGGGGCAGCACACTCAAG

Table 6
717/3331

GAATGAAGGAAGTTTCAGTGAATGACAACTTTATAAAGACAGTGTTGAGGCAGCCCAGTGCAGCGGTTTGG
GAGCCAGGAACAGCGTGTGGGCCGGAGTGTGGCTGCAGGACAGGAGGTCAAAAATAAGGGTTGAGGGTGGA
ATAGGAAGACCCCGGAACGTCATCCTGGGAGCTTGAGATTTTATTCTACATTTCTCTTGTTCTTAACTATT
TAGGGTGATGGATCTCTGCAGTAAGTGGAAGAGTTCTTCATGGCCCCCAAGGTTATATCCATCTAGAACTT
CAGCACGTAATTTCATCTGGAAATAGTGCCTTTGCGGATATAAGTTAGGTAAAACTGAAGATGAGATCATA
CTGGATTAGGATGGGATCTAAATCCAATGAAAATGTCTCCATAAAAAACAGGAAAGAACCCATAGAAACAC
AAGGAAGAAGGTCATGTGAAGATGGAGGCAGAGATTGGAGGGATGCAGCCACCGGCCCAGGAATGCCAGCA
GCCACCCAGAAGCTGGAAGGAAATGAGGGATTCTCTCCTAGAACCTTTAGAGAGAACATGGTCCTGTGAAC
AGCTTGATTTTGGACTTGCCCATAGCTTGTATACTCTTACTTTGGATACAATTTTATCCAAACTTGGCTAA
ACAGTTTCTCAGCTATGGAAAATTTAAAATGGAGAAGATTCAACTCGATTTTTACAGATCAAAAGCAAGAA
AATGANNNNN
Table1 4177
NNNNNNCAATCTGGAAAGAACTTTATTATTTCTCATAAAAGCTTAGGGGCAACATTAAGTACATT
TTCAAAAAAATCTTGAGAGCACAGACTCATAATTTTGAAGCTCAAATAAGACTTCAGAGGTATATAAAGAG
CACTGGACTAAGAGTCAAGATACCTTGGCTCAAGGTACAACTTTGCTATTTATTAGCTGGTCCTTGACATG
ACCAGGTTAGCAAGGTAGAAAGATTACAAAGGTTGGCATGAAGAAGGTAGGCTTGTATGAGTGATGGTGGA
TGATAACAAATCTGGGGAAATGAAATGAACTACAGACAGGACACATGCGATGTGCTTCAGAGTATGCAGCT
TTTCCAATCAAGGAAAGCTTCGTGCAGGAGGCCAAACAGAACCTGAACGCTGCAGTATGACCTCAGGGACT
CACATCACTTTCTGAAATATCTAACAAAAATCGCATTTCTGCTGTTGCACTCTGAATTCCTAGAACTTGTG
CGTGAACCATTTCACTGCATTCATTTTCCCCATGTTATTCTTTAACCAGCCTTCTTTCTTGATCACATTCC
TAGATCTGAGATGTTTTCCTTTCAGTCTTTTCGGCATAAGACCTAATTACATAGCTAGTTGTCCAGTAATG
TCTGGGAAGAGAAAAACCTTAAGTTTGTCATCTCTCAGTAGGACACCCCGGCTAAAGCCTTCTGGACACAG
CAAGGATATTGTCTTCTCTCTCTTATAATCCTGTTGTATCTTCCACACATAGCATAATCAGCTATAAAGTT
TTCCAATTCTTCAAAATAATTACTACCACATTTCTCTGAGATTTTCCAAGATTTCCTCAAAATTGGGAAAG
TATTGATTCAGCTCAGTATTGATTCAGTCTAGTATTGATTCAGCTTCACTTATCACTTTCAGTGGATGGGT
GGTCTTCACATGT
Table1 4178
ACGTAACAGGACATCAATAAATATTAGTTGAATGGAAGATTAAATCAACAAAATGGGTGATGGAT
CTCTGCAGTAAGTGGAAGAGTTCTTCATGGCCCCCAAGGTTATATCCATCTAGAACTTCAGCACGTAATTT
CATCTGGAAATAGTGCCTTTGCGGATATAAGTTAGGTAAAACTGAAGATGAGATCATACTGGATTAGGATG
GGATCTAAGTCCAATGAAAATGTCTTCATAAAAAACAGGAAAGAACCCATAGAAACACAAGGAAGAAGGTC
ATGTGAAGATGGAGGCAGAGATTGGAGGGATGCAGCCACCGGCCCAGGAATGCCAGCAGCCACCCAGAAGC
TGGAAGGAAATGAGGGATTCTCTCCTAGAACCTTTAGAGAGAACATGGTCCTGTGAACAGCTTGATTTTGG
ACTTGCCCATAGCTTGTATACTCTTACTTTGGATACAATTTTATCCAAACTTGGCTAAACAGTTTCTCAGC
CTATGGAAAATTTAAAATGGAGAAGATTCAACTCGATTCTTACAGATTCAAAGCAAGAAAATGATGGGAAC
ATAGGAGGAGACCAAGAAAGCCTATAAAAAGCAAAAATATGAAGTGAACATTGTGGTAGCTTTAAGATGTT
TAGTGTAGCTGCAGGCACCCTATACACATGAAAACCCCCAAGGGGAATCCCCATATCACAGTGTAGTGTGA
TATTTGACATTCGTGATCATCTAGAGATGTACAGAAAAGGTGAATCTGTGTTCTGTATATTCTGCCTAAGG
CAAAGAAATGTTTAGCTCTCTTTAAAATAGTTCCATAATTTTTTCTAAAAAGCTTTGCTTGAAAACTGTAA
GCTTCCCATATCTGGAGCATTTCACTTTAAATATTTGGATAAATATGTTATCTTCTTACTTGGACATTTCA
TGTGTTTAGGGATTGTCTTCTAAATTCTTCCTAATTCATATAGCTGCTAACACTTCCCGCAGAGCTAAACC
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CTCATTTAATCTTTCAGCATTTACAGTTTCAAGAGTTTGTGTCACAATTAGAAGAATTCAGCTGCACCTCC
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TAAGACATTTTCAGAGCCCCACTTTAGAAGGTGTGAACTGGCTAGATAATGAACCCCAGGGCTAACGCTGC
TATAGCAGTGGGAAGGAGGTGATGGGTTTTCAGTTTGGACCTCAAACATCAATACCCTCCTGGTACCTCGG
CCGGCCCCGCGGGGGAGCTCAATTGCCCTATAGTAGN
Table1 4179
NNNNNCCTGTGTGTAAAACGAACGGACCAGTAGCCTGGCGCCTACGGTCTTCCTNNNNNNNNNNN
NNNNNNNNNNNNNNNNGCCAAAAANTGTTTGTACCTCTGGGCCATATTGCAGAACCCTGCCCTTCTTTGTT
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GCCCCTCCTAAGGTTGCTCAGGATAAATCATTTATTAAATAGGTCTGCTTATCAGGAGGGGCGTGAAGGCT
CCCAAAAGGAAATGCTGGCACCTGGGCCCAGAAGCCAGGGCCTCTAACTCCTGGGGTTGATTTCTTCAGTG
AAGTTGCACCCTACAAAGGGAATATGGCCAAAGCGGCACTCAACTGAAGGCTGATATCAGGCGATTAGACA
GCCATGCATTCTGCGTTTGTCTGGAATGGATTGTAGAGAGATGGACTTATATGAGGACTACCAGTCCCCGT
TTGATTTTGATGCAGGAGTGAACAAAAGCTATCTCTACTTGTCTCCTAGTGGAAATTCATCTCCACCCGGA
TCACCTACTCTTCAGAAATTTGGTCTGCTGAGAACAGACCCAGTCCCTGAGGAAGGAGAAGATGTTGCTGC
CACGATCAGTGCCACAGAGACCCTCTCGGAAGAGGAGCAGGAAGAGCTAAGAAGAGAACTTGCAAAGGTAG
AAGAAGAAATCCAGACTCTGTCTCAAGTGTTAGCAGCAAAAGAGAAGCATCTAGCAGAGATCAAGCGGAAA
CTTGGAATCAATTCTCTACAGGAACTAAAACAGAACATTGCCAAAGGGTGGCAAGACGTGACAGCAACATC
TGCTTACAAGAAGACATCTGAAACCTTATCCCAGGCTGGACAGAAGGCCTCAGCTGCTTTTTTGTCTGTTG
GCTCAGTCATCACCAAAAAGCTGGAAGGTGTAAAAAACTCCCCAACTTTTAAATCATTTGAAGAAAAGGTC
GAAAACTTAAAGTCTAAAGTAGGGGGAACCAAGCCTGCTGGTGGTGATTTGGAGAAGTCTTGAATTCGGCT
GCAAATGCTAGTGCCACCACCACGGAGCCTCTTCCAGAAAAGACACAGGAGAGCCTGTGAGATTCCTACCT

Table 6
718/3331

TGTGGTCTGCTACCCACTGCCAGATGCTTGCAAGCGAGGTCCAAGCCCATCTTGTCAGCATGCCATTGCCT
TGAATTTCTACCAGATGTGCTTTTATTTAGCTTTACATATTCCTTTGACCAAATAGTTTGTGGGTTAAACA
AAATGAAAATATCTTCACCTCTATTCTGTGGGAAACACCCTTTAGCTGTACATTTATGTTCCTTTATTTAG
GAAACACCATTATAAAAACACTTATAGTAAATGGGGACATTCACTATAATGATCTAAGAAGCTACAGATGT
CATAGTGGTTTTCCTGCTTTACAAAATTGGCTCAGATCTGGAATGCCAGTTTGACCTTGGTCTTCTATAAT
ATTTCCTTTTTTCCCCTCTTTGAATCTCTGTATTTTTGATTCTTAACTAAAATGGTCTCTTAATTTCCTGA
TCCTGGTCATTCACAGTGGCGTTGTTTCTTTACCCCCAGGGGAGAACTCTTACTCCACACAATTTGGGTAG
CCTGTGTGGGCTACAGGCGCATTTGGTGCGACCCCCCGGGAAAGCGGGTCCCATTAGTTGGGGCAAAACTT
TTCAACCCGGGGGGGGGCGCAATATATTAACGCGGGGGCGCGCCGGTGGTTTCCTAACTACCGCGGGGACC
AACCCGCCTGGGGACGGCCGGCGACGGAACAATTGGTGCTAN
Table1 4183
NNNNAGTTGGAAAAAGCACATTTTTTTCCTCCACATTTAAAAATGACTAGAAGGTGAGAGAGAAA
GAGAGAAAGCTCACCTGCAGCCGGTGAAGTCACGCTTTTGCATTCCGTTTGTAGGACAAGTTGTCAGTGTG
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ATCTCATCGGTATTCAGTGTGGCACTAACATTACATACGCTAATCCTGAAACAATAAGCTATAAGGAGAGC
CTCGCTTTCTGGGTTTGAAATGAATGGAGCAGTCTGAATTCTTCCAGTTTTATCTCCTGCTTTAACCTGGA
ATGATGCCAGCATGTTGGGTTTTACCCTGGAGAATTCATATCATGTGAAAAACTTAAATCAGGTCTGTCTG
CTGGTACACGCAGTCCTAATCCGTTAAATATTTCTAGCTAACAATGCACGTGGGGCTCTTCAGCTCTGCAT
ACAGTCATGTTCTGCTAAGTCCATGCAAATATAACCACTTCTGCCTGCTTTTTTGAGGGAGGGATCAGTAA
TGCCTACATGGTTTTACCCAAATCCCTCATGCGACATACAAGGCTCTTGGCATATCTTAAGCCTGGGTGGT
AGCTCCTATCCATTCTCTAGGACCTGGTCTCTTACTTGTGAGCTTGGGAAGGTTTCACATGAGAGAATGGC
TCTTCCTTCATTGGTCCTTTCCACAGGAGACCAATCTTGAGCTTACTCACGTTTATGAAAATTGTAGGCCC
AAAGATCCGGGTGTGGAAGTGTAAGGGAATGCCTGGAACCCATATTCCAGGCTTGTGTCGCCAAATTCACC
TCTGCCTGGGGCACCAGACTGCGGGGCCCCCACCAGCAACACGCCTGCGCAAAAACACTTCCCCAAAACGC
TGTGTAGAAACCGCTTGGCGGCACACGAGGGAGGTAGCCCACCGGAAGCGCGACAAGGCCAGTCCCACAGC
AGAGAACACAGCCAGACCAGAGCGCAACACGACAAAGTGGCGGCCGCAACGACCCGCACCANNN
Table1 4184
NNGGCCAGGCTGGTCTCAAACTCTTGACCTCAAGTGATCCACCCGCCTCAACCTCCCAAAGTGTT
GGGATTACAGGCGTGCACGCACGCCCAGCCTAAAAAAACACATTTCAAATACTCAATAATTATCACATGTG
GCTAGTGGCTATCATACCGGCACAGATCTCAACATTATTTTAAAGTCTTAAATAAACTGATGGAGAAAGAT
ACCTCATATGAGAGAAACACTTAAAAGACAACTACTGAAATGTAAATGAAATGGTAACGACAGGAGTAAAG
AATCTAAGATGGTAAGGAAAAGGACAGCAAACCATTTAATTGAAATCGTCACTGAGAAATGAAAGCTCTCC
TCGGGTAAGCAATAGGTTTCTGGAAAATCAAAGTTATTTTCCATTATAACTGGGCCCTCAAAANNNNNN
Table1 4185
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CCGGGTGAAATCGTAGGACAGTGAAGATGCTGCTGGAATTGTCCGAGGAGCATAAGGAACACCTGGCCTTC
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AGCTTGCAAGTAGAAGTCTCAGGCAACAGATTAAACCAGCAGTGACTATAAAGCTACACCTTAATCAAAAT
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AGCATTGGAAGAGATGAAGACAAACCACTGTAGGAGAGTTGTTCGCAACATCAAGTAGTACCAGTTTTAAG
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GGTGGAGGTTGCAGTGAGCTGAGATTGTGCCACTGCACTCCAGCCTGGGTGACAGAGTGAGACTCCATCTC
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Table 6
719/3331

TAGAAAGGGCTGTAGAAGCAATCAAACTCTAAACTGCGCTCTAGACTTTGTCAATACTTTGCTTCGTAAGA
ATTAGGGATTTTCATATCAGAGTGATACCATGTTGCAATCTCTTTAGAGAAGAGAGAGCCTAGCAGGGAAT
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NNNNNNNNNNNNNNN

Table1 4187
ACGCGGGGGGGCATCACGGACCTACCAATATGTGATGTCACCCCTGGTGGCCCAGCTGTGTCATG
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TGAGAATCCGTATGCCCCGCTGAATCTCCTGGCTGACTTTGCTGGTGGTGGCCTTATGTGTGCACTGGGCA
TTATAATGGCTCTTTTTGACCGCACACGCACTGGCAAGGGTCAGgTCATTGATGCAAATAtgGTGGAAGGA
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Table1 4188
ACCCTGCACACACTAGGTTCTCAAGAAATATTCATGTAATAAGTGAATAATTGAATGAATGAATG
ACTAAGTGAAACTTCTCTTTACAACAAGCAAATGTAATAGCCCTTTCTAAGCTCTCATCATCCTCATTGTC
CTTGGTGGATTCCCACCACACTCAGAATTCCTTTTCACCTTTCCATGCATATGAGGCCCCACCTAATCAGG
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ACAGTTTCTCAGCTATGGAAAATTTAAAATGGAGAAGATTCAACTCGATTTTTACAGATCAAAAGCAAGAA
AATGANNNNN
Table1 4189
NNNCTCTCTTGTTCGTTGTCTTCACTGTCGTTGTCGTCTGCTGTGTTCTGTCGCTGCTGCTGCTG
TCCTGCCACGCCGGCCGGCGGGCGTAAGTTGGTATTTTCGTCGCTCGCCTTGGGCGTCCCCGTGTGGTATG
GTCGCCCCGGTTTGTGTGTCCTTCCCTGGTACTCCCTTCTTGGTGGTTTGTTCCGAAACGCTCCGCGTTGT
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Table 6
720/3331

TCCTGTGGGAGCCACGCCTGTATGGACAAGTGGTCGACGCGTTTAACTTCTTGGGGCCCGCCGCGACCCCC
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GTTCTGAGAACCATCCAATTCACCTGTCAGATGCTGATAGACTAGCTCTTCAGATGTTTTTCTACCAGTTC
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Table1 4190
NNACATTAATCTACTTATCTGGAATCACTTTGCCTCTAAAGGCCAGAGAAAAATCACAGCTTCCT
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TGACATACACATAACCAGAACACCGCACCCCTTAGATACTTAATGT
Table1 4191
ACTGCTCTCCAGCCTGGGCAATAGAGTCGGACTCTTGTCTAAAAAAAAAAAAGAAAAGAAAAGAA
ATGACCTGCTAATAAAGTAATAGAATGGAAAAAACAAAACAAAACGAAACAAAAAAAAAACAAAAAAGCGA
AGCATAAAGTATCTAGACAAGGTGTTATCTGGATTTCTGGTACTGTTGAACATAATTAGATGTCACATGAT
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GGTTTGTCTGAAGTGATTTGAACTGTAATTCTGTAAGTGGAAATAGAGGTTTGTGCAAAAGTAATCACAGT
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AAGCCGTTTAAATAGCTTTGAGACCTAATTTCTCCATCTGTTAGAGGTGGTGATAATTATACTTGCCCTAC
CTGATCAGGGTTTTTGTGAAAAGCANAGAATTTAGATAAAACGCTTTGTAAACTGTAAATAGTTATCAGTT
TAGCTGGTTATTCCCCCTTGGAATTTTGAGTCTTATTTATCACTGAGAGTTCCAGGACNNNNNN
Table1 4192
NGAGTTTCATAATCTCATCAATATTTTAAGATAGGCGAGCACACACTAATAATATCTATGCCTAC

Table 6
721/3331

CTTCTTGGGTGGACTCAACTGTAACCACAGTTTATTAGTTGCTTAGAAGTGGATTTTTAAAAAACAGTTAA
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GCAGCCACTAGTACGACGAACGAACCATGAGCAGATCCGATACACGANNN
Table1 4195
NATAGACNNCCCTTGGTCACGGGCCGCGCGCCATTGTGTTGGTACCCGGGAATTCGGCCATTATG
GCCGGGGGTGGCGCCAGGGATTTGAACCGCGCTGACGAAGTTTGGTGATCCATCTTCCGAGTATCGCCGGG
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GAATTCCAGAATCATGAAAAGCAGGAAAGCCAGGATCTCAGAGCTACTGCAAAAGTTCCTTCTCCACCAGA
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Table 6
722/3331

AAGAAGCTTCATGAAGCTCATTTTAAGGAAATGGAGTCCATTGATCAATATATTGAGAGAAAAAAGAAACA
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TCACCTCAGTGGAGCTTCTGAGTTTTATACTGCTCAAGATCGTCATAAATAAAATTTTTTCTCATTGTCAA
ANNNNNNNNNNNNNNNNNNNNNNNNNNNN
Table1 4197
CGCGTCCGCATGCTCACGGCCCCTGGAGACCGTCGTGCTGGCGAGCCGTGCTCCGTAGCTCCCCG
GTCCGCCTCGGCAGCGGTCAGAGTCGCCTACAGGAGTTGAGCCGCCCGCGCCAGAAGGTTTTGGCGAAGCT
CTTGGAGAGGCGTCGAGCACAGTAGGGCGGCGGGGGTGCGTTGAGCGCTCGGGGGTCAGGCAGTCGGCCGG
GATCGCCGCTGGGGAGCGTTTCCGAGGCGAGGAGGAGGAGGAGGAGATGCTGCTCCTCTTCTCCCCCTCCC
CAGGCTCCTTCTCCAGCTCCTTCAGCCCACGCCCGCAGCCGCTTGTGGGAGAAGAGGTGGTGGCTCTCGGC
GCCCGCGGCGGCTGCCGGCGGCCCGCCCCGACGCCGCGTCCCTGCAGCCCTCGCCCGGCGCTCCAGTAGCA
GGACCCGGTCTCGGGACCAGCCGGTAATATGCACGTGTCACTAGCTGAGGCCCTGGAGGTTCGGGGTGGAC
CACTTCAGGAGGAAGAAATATGGGCTGTATTAAATCAAAGTGCTGAAAGTCTCCAAGAATTATTCAGAAAA
GTAAGCCTAGCTGATCCTGCTGCCCTTGGCTTCATCATTTCTCCATGGTCTCTGCTGTTGCTGCCATCTGG
TAGTGTGTCATTTACAGATGAAAATATTTCCAATCAGGATCTTCGAGCATTCACTGCACCAGAGGTTCTTC
AAAATCAGTCACTAACTTCTCTCTCAGATGTTGAAAAGATCCACATTTATTCTCTTGGAATGACACTGTAT
TGGGGGGCTGATTATGAAGTGCCTCAGAGCCAACCTATTAAGCTTGGAGATCATCTCAACAGCATACTGCT
TGGAATGTGTGAGGATGTTATTTACGCTCGAGTTTCTGTTCGGACTGTGCTGGATGCTTGCAGTGCCCACA
TTAGGAATAGCAATTGTGCACCCTCATTTTCCTACGTGAAACACTTGGTAAAACTGGTTCTGGGAAATCTT
TCTGGGACAGATCAGCTTTCCTGTAACAGTGAACAAAAGCCTGATCGAAGCCAGGCTATTCGAGATCGATT
GCGAGGAAAAGGATTACCAACAGGAAGAAGCTCTACTTCTGATGTACTAGACATACAAAAGCCTCCACTCT
CTCATCAGACCTTTCTTAACAAAGGGCTTAGTAAATCTATGGGATTTCTGTCCATCAAAGATACACAAGAT
GAGAATTATTTCAAGGACATTTTATCAGATAATTCTGGACGTGAAGATTCTGAAAATACATTCTCCCCTTA
CCAGTTCAAAACTAGTGGCCCAGAAAAAAAAACCCATCCCTGGCATTGATGTGCTTTCTAAGAAGAAGATCT
GGGCTTCATCCATGGACTTGCTTTGTACAGCTGACAGAGACTTCTCTTCAGGAGAGACTGCCACATATCGT
CGTTGTCACCCTGAGGCAGTAACAGTGCGGACTTCAACTACTCCTAGAAAAAAGGAGGCAAGATACTCAGA
TGGAAGTATAGCCTTGGATATCTTTGGCCCTCAGAAAATGGATCCAATATATCACACTCGAGAATTGCCCA
CCTCCTCAGCAATATCAAGTGCTTTGGACCGAATCCGAGAGAGACAAAAGAAACTTCAGGTTCTGAGGGAA
GCCATGAATGTAGAAGAACCAGTTCGAAGATACAAAACTTATCATGGTGATGTCTTTAGTACCTCCAGTGA
AAGTCCATCTATTATTTCCTCTGAATCAGATTTCAGACAAGTGAGAAGAAGTGAAGCCTCAAAGAGGTTTG
AATCCAGCAGTGGTCTCCCAGGGGTAGATGAAACCTTAAGTCAAGGCCAGTCACAGAGACCGAGCAGACAA
TATGAAACACCCTTTGAAGGCAACTTAATTAATCAAGAGATCATGCTAAAACGGCAAGAGGAAGAACTGAT
GCAGCTACAAGCCAAAATGGCCCTTAGACAGTCTCGGTTGAGCCTATATCCAGGAGACACAATCAAAGCGT
CCATGCTTGACATCACCAGGGATCCGTTAAGAGAAATTGCCCTAGAAACAGCCATGACTCAAAGAAAACTG
AGGAATTTCTTTGGCCCTGAGTTTGTGAAAATGACAATTGAACCATTTATATCTTTGGATTTGCCACGGTC
TATTCTTACTAAGAAAGGGAAGAATGAGGATAACCGAAGGAAAGTAAACATAATGCTTCTGAACGGGCAAA
GACTGGAACTGACCTGTGATACCAAAACTATATGTAAAGATGTGTTTGATATGGTTGTGGCACATATTGGC
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CAGTATTACCTTCAGCTTCGAAAAGATATTTTGGAGGAAAGGATGCACTGTGATGATGAGACTTCCTTATT
GCTGGCATCCTTGGCTCTCCAGGCTGAGTATGGAGATTATCAACCAGAGGTTCATGGTGTGTCTTACTTTA
GAATGGAGCACTATTTGCCCGCCAGAGTGATGGAGAAACTTGATTTATCCTATATCAAAGAAGAGTTACCC
AAATTGCATAATACCTATGTGGGAGCTTCTGAAAAAGAGACAGAGTTAGAATTTTTAAAGGTCTGCCAAAG

Table 6
723/3331

ACTGACAGAATATGGAGTTCATTTTCACCGAGTGCACCCTGAGAAGAAGTCACAAACAGGAATATTGCTTG
GAGTCTGTTCTAAAGGTGTCCTTGTGTTTGAAGTTCACAATGGAGTGCGCACATTGGTCCTTCGCTTTCCA
TGGAGGGAAACCAAGAAAATATCTTTTTCTAAAAAGAAAATCACATTGCAAAATACATCAGATGGAATAAA
ACATGGCTTCCAGACAGACAACAGTAAGATATGCCAGTACCTGCTGCACCTCTGCTCTTACCAGCATAAGT
TCCAGCTACAGATGAGAGCAAGACAGAGCAACCAAGATGCCCAAGATATTGAGAGAGCTTCGTTTAGGAGC
CTGAATCTCCAAGCAGAGTCTGTTAGAGGATTTAATATGGGACGAGCAATCAGCACTGGCAGTCTGGCCAG
CAGCACCCTCAACAAACTTGCTGTTCGACCTTTATCAGTTCAAGCTGAGATTCTGAAGAGGCTATCCTGCT
CAGAGCTGTCGCTTTACCAGCCATTGCAAAACAGTTCAAAAGAGAAGAATGACAAAGCTTCATGGGAGGAA
AAGCCTAGAGAGATGAGTAAATCATACCATGATCTCAGTCAGGCCTCTCTCTATCCACATCGGAAAAATGT
CATTGTTAACATGGAACCCCCACCACAAACCGTTGCAGAGTTGGTGGGAAAACCTTCTCACCAGATGTCAA
GATCTGATGCAGAATCTTTGGCAGGAGTGACAAAACTTAATAATTCAAAGTCTGTTGCGAGTTTAAATAGA
AGTCCTGAAAGGAGGAAACATGAATCAGACTCCTCATCCATTGAAGACCCTGGGCAAGCATATGTTCTAGA
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TCACCACTGGTCACGTGGTACCCTGAGGCACATCTCGGAGAACTCCTTTGGGCCATCTGGGGGCCTGCGGG
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TTTGCCAGCCATTTAGGTGACCAAACCTGGCAGGAATCACAGCATGGCAGCCCTTCCCCATCTGTAATATC
CAAAGCCACCGAGAAAGAGACTTTCACTGATAGTAACCAAAGCAAAACTAAAAAGCCAGGCATTTCTGATG
TAACTGATTACTCAGACCGTGGAGATTCAGACATGGATGAAGCCACTTACTCCAGCAGTCAGGATCATCAA
ACACCAAAACAGGAATCTTCCTCTTCAGTGAATACATCCAACAAGATGAATTTTAAAACTTTTTCTTCATC
ACCTCCTAAGCCTGGAGATATCTTTGAGGTTGAACTGGCTAAAAATGATAACAGCTTGGGGATAAGTGTCA
CGGGAGGTGTGAATACGAGTGTCAGACATGGTGGCATTTATGTGAAAGCTGTTATTCCCCAGGGAGCAGCA
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CCATAAGCAAGCTGTGGAAACACTGAGAAATACAGGACAGGTGGTTCATCTGTTATTAGAAAAGGGACAAT
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GGCCCAGAAAAAGTGAAGAAAACAACTCAGGTCAAAGAGTACAGCTTTGTCACTGAAGAAAATACATTTGA
GGTAAAATTATTTAAAAATAGCTCAGGTCTAGGATTCAGTTTTTCTCGAGAAGATAATCTTATACCGGAGC
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GATGTAGGAGATGTTATCTTGAAAGTGAATGGAGCCTCTTTGAAAGGACTATCTCAGCAGGAAGTCATATC
TGCTCTCAGGGGAACTGCTCCAGAAGTATTCTTGCTTCTCTGCAGACCTCCACCTGGTGTGCTACCGGAAA
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CAAGTCCCCATCCAGAAGAGACAGTTACAGTGACAGCAGTGGGAGTGGAGAAGATGACTTAGTGACAGCTC
CAGCAAACATATCAAATTCGACCTGGAGTTCAGCTTTGCATCAGACTCTAAGCAACATGGTATCACAGGCA
CAGAGTCATCATGAAGCACCCAAGAGTCAAGAAGATACCATTTGTACCATGTTTTACTATCCTCAGAAAAT
TCCCAATAAACCAGAGTTTGAGGACAGTAATCCTTCCCCTCTACCACCGGATATGGCTCCTGGGCAGAGTT
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CGGCTCATAAAGGTTAATGATACAGATGTTACTAATATGACTCATACAGATGCAGTTAATCTGCTCCGGGC
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TGCTACCGGACATAACACTAACGTGCAACAAAGAGGAGTTGGGTTTTTCCTTATGTGGAGGTCATGACAGC
CTTTATCAAGTGGTATATATTAGTGATATTAATCCAAGGTCCGTCGCAGCCATTGAGGGTAATCTCCAGCT
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TAGACATGTCACTTCCTTCATTGGTATTGAAAGCAACAAGAAATGATCTTCCAGTGGTCCCCAGCTCAAAG
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TGCCCTCACTCCTAATGATTCATTCTCCACGGTTGCTGGGGAAGAAATAAATGAAATATCGTACCCCAAAG
GAAAATGTTCTACTTATCAGATAAAGGGATCACCAAACTTGACTCTGCCCAAAGAATCTTATATACAAGAA
GATGACATTTATGATGATTCCCAAGAAGCTGAAGTTATCCAGTCTCTGCTGGATGTTGTGGATGAGGAAGC
CCAGAATCTTTTAAACGAAAATAATGCAGCAGGATACTCCTGTGGTCCAGGTACATTAAAGATGAATGGGA
AGTTATCAGAAGAGAGAACAGAAGATACAGACTGCGATGGTTCACCTTTACCTGAGTATTTTACTGAGGCC
ACCAAAATGAATGGCTGTGAAGAATATTGTGAAGAAAAAGTAAAAAGTGAAAGCTTAATTCAGAAGCCACA
AGAAAAGAAGACTGATGATGATGAAATAACATGGGGAAATGATGAGTTGCCAATAGAGAGAACAAACCATG
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CCCTCTGGTAAATACACGGGTGCCAACTTAAAATCAGTCATTCGAGTCCTGCGGGGTTTGCTAGATCAAGG
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AGGAAAACAGAAGGAAGAACAGATATAAAAATATACTTCCCTATGATGCTACAAGAGTGCCTCTTGGAGAT
GAAGGTGGCTATATCAATGCCAGCTTCATTAAGATACCAGTTGGGAAAGAAGAGTTCGTTTACATTGCCTG
CCAAGGACCACTGCCTACAACTGTTGGAGACTTCTGGCAGATGATTTGGGAGCAAAAATCCACAGTGATAG

Table 6
724/3331

CCATGATGACTCAAGAAGTAGAAGGAGAAAAAATCAAATGCCAGCGCTATTGGCCCAACATCCTAGGCAAA
ACAACAATGGTCAGCAACAGACTTCGACTGGCTCTTGTGAGAATGCAGCAGCTGAAGGGCTTTGTGGTGAG
GGCAATGACCCTTGAAGATATTCAGACCAGAGAGGTGCGCCATATTTCTCATCTGAATTTCACTGCCTGGC
CAGACCATGATACACCTTCTCAACCAGATGATCTGCTTACTTTTATCTCCTACATGAGACACATCCACAGA
TCAGGCCCAATCATTACGCACTGCAGTGCTGGCATTGGACGTTCAGGGACCCTGATTTGCATAGATGTGGT
TCTGGGATTAATCAGTCAGGATCTTGATTTTGACATCTCTGATTTGGTGCGCTGCATGAGACTACAAAGAC
ACGGAATGGTTCAGACAGAGGATCAATATATTTTCTGCTATCAAGTCATCCTTTATGTCCTGACACGTCTT
CAAGCAGAAGAAGAGCAAAAACAGCAGCCTCAGCTTCTGAAGTGACATGAAAAGAGCCTCTGGATGCATTT
CCATTTCTCTCCTTAACCTCCAGCAGACTCCTGCTCTCTATCCAAAATAAAGATCACAGAGCAGCAAGTTC
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ATTTTTACAGCTACTTTAACCTATGATAATTATTTACAAAATTTTAACACTAACCAAACAATGCAGATCTT
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CACCAATCTTGTTTATAGCAAAAATGTTTTCCAATATTTTAATAAAGTAGTTATTTTATAGGGGATACTTG
AAACCAGTATTTAAGCTTTAAATGACAGTAATATTGGCATAGAAAAAAGTAGCAAATGTTTACTGTATCAA
TTTCTAATGTTTACTATATAGAATTTCCTGTAATATATTTATATACTTTTTCATGAAAATGGAGTTATCAG
TTATCTGTTTGTTACTGCATCATCTGTTTGTAATCATTATCTCACTTTGTAAATAAAAACACACCTTAAAA
CCATGAACAAGCCAAAAAAAAAAAAAAAAGTCGACGCGGCCGCGAATTTAGTAGTAGTAGTCGACCCGGGAAT
TCCGGACCGGTACCTGCAGGCGTACCANN
Table1 4199
ACGCGGGGAGAGCGGCCCAGAGTTCGCAGGTCTGGGGCTCTCTTCCCAGAGAGCTCGTAGGGGAG
GACAGTCAAGGGACTCAAGCGTCTCTCTTGACTCCCCTTCTCTCGCTGTGCAGTGGCGGCGCCGAGGGGTC
GACGCTCAGGGCTAATCTCTATGAGTCACCCTCGAGGCCCCGGGTAATATTGGGTGGATCACAAGAACTAA
TCTTTCATGATTTGGAAACCGGAAGGAAAGAAGCACTTTTGTAGCTGACTTACCTCAATGACATGACCAGT
GTCTGAGCCTACAACTGCGCTATCTTCCCTGGATTTTTCTTCACCTTTTCCTTACTCATGAGCCAGGTATG
TGTTTTTAGTTCCATAAAAAAGAGCCCTAGCCAGGCGTGGTGGCTCACGCCTGTAGTCTCAGCACTTTGGG
AGGCTGTGGCGGGCAGACCACTTGAGCTCAGGAGTTTGATACCAAGATGGGCAACATGGTGAAACCCCGAN
N
Table1 4200
ACGCGGGGATACTAAGCCAGGGCAGAATGCTTGTGAAGTAGCAACTAAAGTGGCAGTGTTTCTTC
TGAAATTCTCAGGCAGTCAGACTGTCTTAGGCAAATCTTGATAAAATAGCCCTTATCCAGGTTTTTATCTA
AGGAATCCCAAGAAGACTGGGGAATGGAGAGACAGTCAAGGGTTATGTCAGAAAAGGATGAGTATCAGTTT
CAACATCAGGGAGCGGTGGAGCTGCTTGTCTTCAATTTTTTGCTCATCCTTACCATTTTGACAATCTGGTT
ATTTAAAAATCATCGATTCCGCTTCTTGCATGAAACTGGAGGAGCAATGGTGTATGGCCTTATAATGGGAC
TAATTTTACGATATGCTACAGCACCAACTGATATTGAAAGTGGAACTGTCTATGACTGTGTAAAACTAACT
TTCAGTCCATCAACTCTGCTGGTTAATATCACTGACCAAGTTTATGAATATAAATACAAAAGAGAAATAAG
TCAGCACAACATCAATCCTCATCAAGGAAATGCTATACTTGAAAAGATGACATTTGATCCAGAAATCTTCT
TCAATGTTTTACTGCCACCAATTATATTTCATGCAGGATATAGTCTAAAGAAGAGACA
Table1 4202
NAGCATAGTATTTTCTTTCTTGTCCAGATTAGCTAAATTGGATTGTTCTATGCTAAATTCACTTA
ATCACTACTCTATTATTTTTGAATTTTTTAGTTCTGTTTTTTTCACTTGGTTCTTTTTTTAAAAAAAACTT
CTACTACCTTTCTGAGACTTCTACTTTTTTACTTTTTTCAAGAAGCTTTATAATTACTTGCTAAAGCATTT
TTACCATGACTGTTTTTAACTTCTTCAGGATAACCCACAACATTTGGGGTAATCTTGAGGGGTTGGCCTGG
GGGTAACTGGTCTTTTCTCATCCCGCCTTTGGGGTTTTTCCCCACCAAATGGGGGATTTTCCCTGGGTCCT
GAANGAANNN
Table1 4209
atgtgaaacagtacagtgttaggagagggaaagtgggaagttggatacgaggagtacctatcagc
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ggagttagttcagggtgttcaagtgaaatccatgcgttgcgattgcgcgtgtggtttgactgcccctacaa
tggggaaaatgttctattccattatttggattggtagacgtgcgctgtacaaagtctttccgttgagcccc
tgctgtctgacatccgaggactggtctcgtcgaaatCTGCTGGGAGATGACACCACAGACTGTTCCTTCAT
TTTCCTGTATATTCTCTGTACTATGTCGATTCGACAGAACATTCAGAAGATTCTCGGCCTTGCCCCTTCAC
GAGCCGCCACCAAGCAGGCAGGTGGATTTCTTGGCCCACCACCTCCTTCTGGGAAGTTCTCTTGAACTCAA
GAACTCTTTATTTTCTATCATTCTTTCTAGACACACACACATCAGACTGGCAACTGTTTTGTAGCAAGAGC
CATAGGTAGCCTTACTACTTGGGCCTCTTTCTAGTTTTGAATTATTTCTAAGCCTTTTGGGTATGATTAGA
GTGAAAATGGCAGCCAGCAAACTTGATAGTGCTTTTGGTCCTAGATGATTTTTATCAAATAAGTGGATTGA
TTAGTTAAGTTCAGGTAATGTTTATGTAATGAAAAACAAATAGCATCCTTCTTGTTTCATTTACATAAGTA
TTTTCTGTGGGACCGACTCTCAAGGCACTGTGTATGCCCTGCAAGTTGGCTGTCTATGAGCATTTAGAGAT
TTAGAAGAAAAATTTAGTTTGTTTAACCCTTGTAACTGTTTGTTTTGTTGTTTTTTTTTCAAGCCAAA
TACATGACATAAGATCAATAAAGAGGCCAAATTTTTAGCTGTTTTATGTACAAGGAGAGATCTGTTTCATT
TTGTTTTGCCGTATTTCTAGATATAAGTTTTAGCATGGGCCAGGAAGGACTAAAATAAAAGTTTTTAAGGT
ACTGTACTTTTTGCCATACTTGacTCatatactcataatACAgagttgtcgtgcgtagcaagtgaccgggt
cctctaga
Table1 4210
ACCATCCTCCAAAAGAAGTCAATTTTACTGTATAATAACTTTTAAAAACAAGTATACATTTTTTT

Table 6
725/3331

TAAAGATGGAGAGGCTAACAAACTTTGCAACCTTTCCAGGTAAGGATTCATGAGACCTGAGCAGCCAGCCA
GCCCTGAAATGGTTGGAACAAGAGAAAGAAGAAGAGCTCGACAGATACCCTGCCTGGGCTGGCAGCTAGCT
GCACCACAAGCTGGCCAGCTGACAGCGGGCACATCCCTTCATCACCCAGTGCCTTTCTTCCCTCTTGTGAA
AATGGAGATATGCTGAGAAGGTTTCTTCAGCTCATCCAGAGAAAGCTTCTTCAGCTAACTAGGCTGTAGAA
AGGGCCT
Table1 4211
NNNNAACACCAANTTNNNCATACCATTTCCNTACCANTTTCCCANGTTCCNANGGCCCNTNCCNC
NNTACTTNCNCACCNTAACCACNTTNACCCCCNANGTTACAGNCANTTGTAACNTNTGNACCTAGGAAGGC
AGACGGCTCGGGACTTGCCCAGCATCCTCAAGCTGGCACCATACCAGCGTGACTAGAGCCACCTCCCTTGG
CTCCTTGTCCACTGCCCTTTGCATCTCATGCGGGTCTCCAGAAGACCCCGCTCCTGCTGTGCAGGCTCCCA
CGCATACCTTAGACACTGCTGTGGTGTTGGGTGGCCACGTGACCCACACAGGCCTTTTCTAGTTCACCAGT
TTTCTGCAAGGATGCTGGTTAGGGAGTGTCTGCAGGAGGAGCAAGTCTGAAACCAAATCTAGGAAACATAG
GAAACGAGCCAGGCACAGGGCTGGTGGGCCATCAGGGACCACCCTTTGGGTTGATATTTTGCTTAATCTGC
ATCTTTTGAGTAAGATCATCTGGCAGTAGAAGCTGTTCTCCAGGTACATTTCTCTAGCTCATGTACAAAAA
CATCCTGAAGGACTTTGTCAGGTGCCTTGCTAAAAGCCAGATGTGTTCGGCACTTCCTTGGTCTGAGGTTA
ATTGCACACCTACAGGCACTGGGCTCATGCTTTCAAGTATTTTGTCCTCACTTTAGGGTGAGTGAAAGATC
CCCATTATAGGAGCACTTGGGAGAGATCATATAAAAGCTGACTCTTNNGTACATGCAGTAATGGGGTATGA
TGTGTGTGGTGTGNNTNANTCCNTCAANGGGTNCTTGTNTGGANGTGTTNCNTCANCCCTTGNGANCCACN
ATTGTNTNNNNNGNCNACACNNGNAGANTTNGCGANCCNNNNAGGGGACNNNNNNNNNNNNNNNNNN
Table1 4212
ACTCTTTTTTTTTTTTTTTTGGTaGagaCAGGGGTCTCACCATGTTGCCCAGTATGGTCTCAAAC
TCCTGAGCTCAAGCAATCTACCTGCCTTGGCTTCCCGaGgtgCTGGGGTTACAGGtATGAGCCACCACACC
TGGCCTTGAAATGTATTTCTTAAATAAGCCTTGAaggtcaaaATTACtcCTTGAACCATTTGCTCCAaaAT
GGATAgTgtgTTGATAGGCCTGAAAACAACATtcatttccTTgtACGCGGGGGCGCATCACGGACCTACCA
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CGGGAAAATCCAAGGCTTATTTATGCCAGGCTGAGTGGATTTGGCCAGTCAGGAAGCTTCTGCCGGTTAGC
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ATGCCCCGCTGAATCTCCTGGCTGACTTTGCTGGTGGTGGCCTTATGTGTGCACTGGGCATTATAATGGCT
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AAGTTCTTTTCTGTGGAAAACTCAGAAATTGAGTCTGTGGGAAGCACCTCGAGGACAGAACATGTTGGATG
GTGGAGCACCTTTCTATACGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTGGAGCAATAGAACCC
CAGTTCTACGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGAACTTCCCAATCAGATGAGCATGGA
TGATTGGCCAGAAATGAAGAAGAAGTTTGCAGATGTATTTGCATAGAAGACGAAGGCAGAGTGGTGTCAAA
TCTTTGACGGCACAGATGCCTGTGTGACTCCGGTTCTGACTTTTGAGGAGGTTGTTCATCATGATCACAAC
AAGGAACGGGGCTCGTTTATCACCAGTGAGGAGCAGGACGTGAGCCCCCGCCCTGCACCTCTGCTGTTAAA
CACCCCAGCCATCCCTTCTTTCAAAAGGGATCCTTTCATAGGAGAACACACTGAGGAGATACTTGAAGAAT
TTGGATTCAGCCGCGAAGAGATTTATCAGCTTAACTCAGATAAAATCATTGAAAGTAATAAGGTAAAAGCT
AGTCTCGCTCTAGAGGGCCCGCGGTTCGAACAAAAACTCATCTCAGAAGAGGATCTGAATATGCATACCGG
TCATCATCACCATCACCATTGA
Table1 4213
ACAGGTGTGCACCTACTGCAAGAAATGAAAGTGATTGGGAATGAAGCAAGATAACAGTTATTCAC
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CCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCTGGTCAATGAAATCCTCA
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CTCAGGCAATTCCTACCTCTTCACCTGACCCTGCCCCCACTTGCCATAAAACTTAGCTAAGTTTTGTTTTG
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CCTTCTCTCAAGGAGAGGCAAAGAAAGGAGATACAGTGGAGACATCTGGAAAGTTTTCTCCACTGGAAAAC
TGCTACTATCTGTTTTTATATTTCTGTTAAAATATATGAGGCTACAGAACTAAAAATTAAAACCTCTTTGT

Table 6
726/3331

GTCCCTTGGTCCTGGAACATTTATGTTCCTTTTAAAGAAACAAAAATCAAACTTTACAGAAAGATTTGATG
TATGTAATACATATAGCAGCTCTTGAAGTATATATATCATAGCAAATAAGTCATCTGATGAGAACAAGCTA
TTTGGGCACAACACATCAGGAAAGAGAGCACCACGTGATGGAGTTTCTCTAGAAGCTCCAGTGATAAGAGA
TGTTGACTCTAAAGTTGATTTAAGGCCAGGCATGGTGGTTTACGCCTATAATCCCAGCATTTTGGGAGTCC
GAGGTGGGCAGATCACTTGAGCTCAGGAGGTCAAGATCAGCCTGGGCAACATGGTGAAACCTGGTCTCTAC
ATAAAATACAAAAACTTAGATGGGCATGGTGGTGTGTGCCTATAGTCCCACTACTTGTGGGGCTAAGGCAG
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AACAAAGTTGATTAAGAAAGGAAGTATAGGCTAGGCACAGTGGCTCACACCTGTAATCCTTGCATTTTGGA
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TCTCTACCAAAAAAAGGAAGGAAGGGACACATATCAAACTGAAACAAAATTAGAAATGTAATTATGTTCTA
AGTGCCTCCAAGTTCAAAACTTATTGGAATGTTGAGAGTGTGGTTACGAAATACGTTAGGAGGACAAAAGG
AATGTGTAAGTCTTTAATGCCGATATCTTCAGAAAACCTAAGCAAACTTACAGGTCCTGCTGAAACTGCCC
ACTCTGCAAGAAGAAATCATGATATAGCTTTGCCATGTGGCAGATCTACATGTCTAGAGAACACTGTGCTC
TATTACCATTATGGATAAAGATGAGATGGcaGccAgtagaaacCATCTCTagaaaccatcTCATCTTTATC
CATAATGGTAATAGAGCACAGTGTTCTCTAGACATGTAGATctcccaCATGCcaagCTATATCATGATTTC
TTCTTGCAgagtgggcAGTTTcAGCaGGACCTGTAAGTTTGCTTAGGTTTTCTGAAGATATCGGCattaaa
gACTTACACATTCctttcgtCCTCCTAACGTATTTCGTAACCACACTCtcaacATTCcaatAAGTTTTGAA
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GACCAAGGGACACAAAGAGGTTTTAATTTTTAGTTCTGTAGCCTCATATATTTTAACAGAAATATAAAAAC
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Table1 4214
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AGAAAAATAAAGGCGTTCAATCTGC
Table1 4215
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Table 6
727/3331

CCTTCCCTCCGCTTCGGGGACGTGGTCCACTTCATGGAGCTCTGGGGAAAATCTAGTCTCAATACCGTCAT
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NNNNN
Table1 4217
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Table 6
728/3331

Table1 4219

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Table1 4220

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GAAGGTGATTTGAGCCAACTTTCAAAGCAGTATTCAAGCAGAGACCTACCCTCTCATACAAAGATAAAATA
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Table 6
729/3331

AGAGAGCTGCTGCAAGAGAGAAAAATAGGGATCGTCCAACCCGAGAACATACAACCTCCTCTTCAGTGTCA
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Table1 4221
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Table 6
730/3331

GAGAACGGGCGAGAACGAGGAGGAGGGCAGGAGGGGAGGAGGAGAGGCGGAGGCAGGGGGGAGGAAGGGCG
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GCGACGGCGGAGGAGGAGGACGAGGACGGGAGAAGCGGGGGGGGACGAAGGCGGGAGCCAGAGAGAGGGGCG
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CGGGGGGAGGGAGGGAGGGCAAGGAGGGAGAGAGCGAAGGAAGAAAGAGAGGGGATGGCAGGGCAGAAGCA
GGCGGACCGCGGTGTCGGCGAGGAGGGAGGGGCACGGGAGGGACAGGACGCGGGAGGGGGGGGAGGGGGGA
GGGGGGGGCAGCGGGAGGGCGTGGGGGCAGAGGCGAGGGGGGGGGCGCGGGCGTCCGAGGAAAGGGAGGCG
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NN
Table1 4223
NNNNNNNNNNCATTTAGTACTTTATCATCCATAATATCTTACTCTCTAATCCACATAATGGAGTT
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CTATAAACCTGAATATCTTAGCATACAAAACTTATCTAACAACTAATAATTTAGGATTCCTTTGAGAGGGA
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Table1 4225
NATAGGGAGTCGACCACGCGTCCGGTAGTAACAGCGTATAGTCTGTCTCTCTCCCTATCTCATCT
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TCTGTCNNNNNNNNNNNNNNNN
Table1 4226
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CAAATACCTTAGAACGTCTAGTGAAGGAAATGGAAGACACACAAAGGCTAGATGAACTGCAGAAGCAACTA
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Table 6
731/3331

GATTTTTTTGACAACACAAGGTTTCCTTACGTCTGCTTATCACTATGTCCAGTGTCCTGTCCCTGTGTTAA
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AAAAACAGCTGAAACAGATTCCTTTAGTAGACTTTCAAAGCCTCCTGATAAACCTGATGAAAAACATCAGA
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TTATTTCAAAGCTTTTGGATGAGAAACACGAAGATGTTCCTAATGCCAGTAATCTGCAGGTATCAGTCCTA
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TTAGGCAN
Table1 4229
CtacTAtaGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGAACAGCATATTTAAGTTC
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CACCTTTCTATACGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTGGAGCAATAGAACCCCAGTTC
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CGGGGCTCGTTTATCACCAGTGAGGAGCAGGACGTGAGCCCCCGCCCTGCACCTCTGCTGTTAAACACCCC
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TACATAAAACCAGCCTGCTCCTGGAGCTTCCCTGGACTCAACTTCCTAAAGGCATGTGAGGAAGGGGTAGA
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GGTCCATTCTGCGCAGTATCTCAACTGCCGTTCAACAATCGCAAGAGGAAGGTGGAGCAGGTTTCTTCATC
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Table 6
732/3331

TCATGGTGGCTTAGGCCAAAAGAAATATCTAACCATTCAATTTATAAATAATTAGGTCCCCAACGAATTAA
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TTTTtcCCTACAAAAAAAAAAAAAAAAaaa
Table1 4230
ACGGAAACAAAAGAGATAATAAACTAATAGTTATTTAATATGCTGTAACAACAAATTAGAAACAT
TGAGAATTAAAGTGTGTTTTCTTTGTAACAAACTTATCAAGAGTAGTTTGAACAAGGGTTGCCCTTCTTCT
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TGCAGATTTTTTTTTTTTGTTAGCGTCTCTTCCTCTAGGACGTTGTCATTCTTTTCATCACTCCCACTTTC
TTCATTGCTAAGTTGGCN
Table1 4231
NGCGTCCGGCGGCGCCTATTGGCGTCGGCCGCGCTGTATTGTCATAAATAGAGCCGGTTTTGTGG
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TAAGAGACGACTCTCGCCTGAGAAGCCTTGATATAAGGTGTATTCGCAGCTTAAATGGTTGTAGAGTTACT
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AAAACGACGTGGTATTTATTCCAACATGCTAGGATTCCTTGGTGGTGTCTCCTGGGCAATGCTAGTTGCAA
GAACTTGCCAATTGTATCCAAATGCAGCAGCATCTACTTTAGTTCATAAGTTCTTTTTAGTTTTTTCCAAG
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TCGGGTAAATCCATCAGATAGGTATCATCTCATGCCCATAATCACCCCTGCCTACCCACAACAGAATTCTA
CGTATAATGTGTCCACATCAACTCGAACAGTAATGGTAGAAGAATTTAAACAAGGTCTTGCAGTCACAGAT
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Table 6
733/3331

TATTTTTTTCCAGATTGGCACATGAAATATTTAAACTTTTTTGTGTGCCTTTCTGTCCAAATGTTGCATAG
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Table1 4234
ACGCGGGGCTCTTTCTGATCTCTTTTTCATGCTCCTCCTTGCTCCAAAGAAAAGCCGGATGGCAA
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Table1 4235
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CACATAAAGCACGTACCTGACTCATCAACTCATCTGTCGCAGGTGCTCAGTCGAAATTTGTTAAATAAATG
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Table1 4237
ACCTCATCAATATGTGCATTTATTATTTGCCAATTAAAATAATATAAAACTCTTTAAAAATTAAA
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TTAT
Table1 4238
CAATTAACTAAACTTTTTTTTAAATTAACTAAAGTTGGTATTTCACTAGGACGATTTAGCAGATG
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NNNNNNNNNNNATATACACACACACACACACACACACTCTGCATCAAAAAAGCCTTCCTACATTAATACTT
GAGCATGATAACCTTACAATGAAAGGTAAATCATTAGTTGAATCATGAAACATTTTCTTCCCCTTGTGGAG

Table 6
734/3331

AAAAATCAAATTGCTTTTCCTCTGCTCTTACACCACAATCATCAACACAGTAGACTTCTGTGACCAAATGT
GTGGGGATTTCTCCCCACCAACAAGAAGCAATCAGTTCTGCAGAAGATACCACCAGCTGAGCACCTTCTAA
TCCAATTCAATTCTCATGCTATCTACCTGGAGATAGCATTAGATCCCACAGGCTGAGAGAGGGCTCAGTCT
CACAAGACTGCCCCCACTTCAGACACTAGTTGTAAGGCCAGGCCTCATCCAGAACTTCTGGCCAACCAGCT
TCAAGTCAGTGTTCCCATGACCCCCTTCTTAGGTTTGATTAATTTGCTAAAGCTGTGCCCAGAACTCAGGA
AAACACGTGTACTGGTTTATTATAAAGAATAGCACAAAGAATGCAGATGAAGAGGTGCACAGAACAAGGCA
TGTGGGAAGGGGTGCAGAGCTCTCATACCCTCCCTGGGTGCACCACCCTCCAGGACCCTCCACGTGTTCAG
CTATCTGGAAGCTCTCTGTACCCGGTCCAGGACTTCACTGGACCGTCACGANTGAAGCATGGACAACCGGG
TANAAATATGATTGGANNNN
Table1 4239
NAGATCATCAGGCATTAGATTCTCATAAGGAGTGTGCAGACTCATTCCCGCGCGTACACAGTTCA
CAGTAGGGTTTGTGCTCCAATGAGAATCTAATGCTGCTGCTGATCTGACAGTAGGCAGAGCTCAGGCAGTA
ATGCTTGCTTGTCCACTGTTCATCTCCTCCCGTACAGCTAAGTTCCTAACAGGTACCAGTGTCTGAAGCCT
GGGGACTGGCGGCTGCTGGTCAAGGCCACATTAGTTTATTGTTAAGTGCAAGGTTTCTGGTAACAGAAATA
AAGAATTCAATTGATTCATCATCAAGACCAAATATATTTACTAAAGATCTACCTTAAATTCATTTTTTAGC
AGGTAGTATGGCATTGTGGTTAAGAATTTACATTTGTGAACATTTACCAGCTGATGACCGAGGTGAGCTTC
TGTTTCCTCCTGCATAAACTTGAGATTATAAAAATCCCCTAGTTGGCTGGGCACAGTGGCTCACACCTGTA
ATCCCAGCACTTTGGGAGGCCGAGGCAGGCATCACGAGGTCAGGAGATCAAGACCATCCTGGCCAACAGGG
TGAAACCCCGTCTCTACTAAAGATACAAAAATTAGCTGGGCGTGGTGTTGCACACCTGTAATCCCAGCTAC
TCAGGAGGCTGAGGCAGGAGAATCGCTTGAACCAGGGAGTCGGACATTGCAGTGAGCCCAGATCGTGCCAC
TGCACTCCAGCCTGGCGACAGAGTGACACTCCATCT
Table1 4241
GCGGCCGAGGTACTTCCCATTGTAAATCACATTTTTAGATAGTCCAGTGGCCAAAGCCCCCAGAC
GAACAAAAACACTCGTATCAGCCAAGACATGCCAGAGGCCTAGTGATTGTTTCCCAGTAGCTGAGGGCAGA
AGCCAGACCTCTTTCAATAAGGTTGATCTTTCACTGTATTAACACTGTATATAAAGGACTTTTATAAAAGC
TTGTAGTTATGGTGTTATTGTCATCATCCAGTTTAATGCCCTCTTTTTTTCCAGTAAGAAAAGAAAGGTCTG
GGATAATCATGTTAATTGATTTGTTTACATTTTCATTTTAATTAGTAGCACAACTGAGAGTGAAAATGGAA
CCCAAATAGTCCATCTTTAGCATAATACTTTTTTTTCTCCTCTAGTGGAGCTTATACCTTGCCAATTATTG
AATCTTGAACTCCTGACCTCGTGATCCACCTGCCTCAGCCN
Table1 4246
NATAAAGGGGAAGGGTTTTGTGTGGAAAAACGCCCTTGGAGTGTGACATTTCTGCGAGAATGCTT
AAATACCGATTTCCCGCAGGAACAATGGCGCTGTCTTCAGTGGCACAGTGGAGCAGCTCTGAAGATGCAAA
GGTAAGAGCTTAGTTAAGCTTAGTTTCCAAACTAAAGGAGTAAACCTGTTGATTTACAGGAATAGGAACTG
TTGCATCGTTTGAAATTTACTTTTTTTTTGTTAGATACACGAAAAAACTTCCAGAACATCTGGGAGAATATT
TAATGGAAAATCGCTTGGTTAAAACCTGACACTTTTAACAGGTATGTGTTGTTTTAGTACTTTATGATTGA
GCATAGCATTTAATCCACACCTAGACTAAATCAAATTTTTTTTTGTCAGTGAACAGCGTTCTGAGTGTGGAC
GAGTAGCCAGTGAAGATAATGAATGTCGAATGTGACTGACTAGCAGCTTCATTTTGAAGTAGGTTGTATGG
CTTAAAAGTTCTGTAGTATTTGTACTATAATACTTGCCTTTTAGCATTACCTTGGTTTGTAGTCAGTGTCA
CAGAAGTGCAGTTTAATGTATTATGTGTACATATACAAGGTCTGATTGGGTCTAATCAATGATGAAACCTA
TCCCGGAAGCTGATAACCCTGAAGAAAAATAAGTACCGGATTCGGCCTCTGAGATTAAGACCAGTAATTCA
GAGGTGGAGTAAATTTTGTTGCCCGTGAATTTATAACAGTTGTGTTAAAAAAATCCTGGGTTTTTTTTTTTT
CTGCCAACAGTGAGGGTCGCTGTCTGCCCATTGATAGAGGCCAGATTGTCTTGGAAGTTCCAAAGTTGCAA
CGATTTCTGTAAGTGGAGTTTTTCTGTTTGCTTAGAGATCAGTGAATATTGTGTCCTTGGTCTTATCTGTG
ATGATCTTATCCCGAACCTGAACTTCTGNNNNNN
Table1 4247
NAGGTCAAGTAAGGTAAATAGAGATTTTAAAAAAAATTATGACCACAAAAGGAAGTAACAGCCCT
TCCTGTCTTGCTGTAGTAACTGAACCATATGCGTTTATATCATGCTAATTGTGCAATTTATTTTTGAGTTG
GTCTCAAGTATTTTGGTTTCGAATGTGAAAGATATGTTAGATTTTGAAAGTGGTTTTTGTAGTAAAATTCT
CAGTTATTTTTTTTCTTCGCCAAGATACAGATTACCTTTCCTTTAAGCTGATCCTAAGGAAGTTATTTTTT
GTATACCTTCAGAGAGGGGATAACATCCCAAAGATATTAGTGTTCACAGAGGATGGATATTTCCTACGAGC
CTGGGATTTATACAGTTGACACACCTCATGGTATATTTGCAGCCAGTACTCTATATGGACCATCCCGTCTG
GGATCNCNNNNNNNNN
Table1 4248
ACTGGACTTGCCTAATTTCTAGGCATGGAGTTGGGGCTTGTAACAATGGTGGGAGATGGGCAGTG
CTTTGGGAATGTAGCTGACCACTGCATGGGTGCTAACTAGCCCAGGGATCTTAAAGAATTTGTGTAGGCCA
TGAGGATCCACTCCAGCCACTGAATAGTCATAGAATTGAATCTAGGACATCACCGTATGCTACTACCATGC
AGTTTTATCCCTTCTAAGAATCCAAATGCCCTAGTTTAATTTCTAAATTTTTGTTTTGTTTATTTTCACTA
AAGCAACATGTTAGTGGACTGCGGAGGGAAGTGAATTTCATGGCTGGTCCTCATCTTGATATCTTTTAATA
GGATCATGAGGCN
Table1 4249
ACCACAGTTACCACTGTCTGTTACCTCGCGAGTTCAAGTGCTTCACGTGAGACAGCTACCGAGAA
CAGGCCCCCTGGAAACTGGAAAATGCCAAGTAAATGTCATGCACAATTGTTGTTCACATTTTATCTCAATC
ACTTTTACCAAATCAGGCTAAACCCTGGGTATTCATAACGTCTTGGGCTGTACCCCCCGCGAGCCGGGGGT
GGCGGGCGGGGACGTCTGCTCGTCAGAGTCATTCAATGAAGATATAGCCGTGTTCGCCAAACAGATTCGCG

Table 6
735/3331

CAGAAAAACCTCTATTTTCTTCTAATCCAGAACTGGATAACTTGATGATTCAAGCCATACAAGTATTAAGG
TTTCATCTATTGGAATTAGAGAAGGT
Table1 4250
ccgccgcatcctcagccaccgtcgcagctgcctccgccaccaccgccgcctcctcttccttggcc
accccagaactgggcagcagcctcaagaagaagaagcggctctcccagtcagatgaggatgtcattaggct
aataggacagcacttgaatggcttagggctcaaccagactgttgatctcctcatgcaagagtcaggatgtc
gtttagaacatccttctgctaccaaattccgaaatcatgtcaTGgaaggagACTgGGATAAGGCAGAAAAT
GACCTGAATGAACTAAAGCCTTTAGTGCATTCTCCTCATGCTATTGTGGTAAGAGGCGCACTTGAAATCTC
TCAAACGTTGTTGGGAATAATTGTGGCACAAACATTTTCTGAAACTTCCATCAACTTTTTTCCCCTGACTG
CTGCTTTCTGTCATGTCAGAGGATGAAGTTTTTGCTGCTGCAGCAGAAGTACCTAGAATACCTGGAGGATG
GCAAGGTCCTGGAGGCACTTCAAGTTCTACGCTGTGAATTGACGCCGCTGAAATACAATACAGAGCGCATT
CATGTTCTTAGTGGGTATCTGATGTGTAGCCATGCAGAAGACCTACGTGCAAAAGCAGAATGGGAAGGCAA
AGGGACAGCTTCCCGATCTAAACTATTGGATAAACTTCAGACCTATTTACCACCATCAGTGATGCTTCCCC
CACGGCGTTTACAGACTCTCCTGCGGCAGGCGGTGGAACTACAAAGGGATCGGAGGCAGTTCCCATGTTAT
ACGCAGCAGATACTTACGGAGCATTGTAATGAAGTGTGGTTCTGTAAATTCTCTAATGATGGCACTAAACT
AGCAACAGGATCAAAAGATACAACAGTTATCATATGGCAAGTTGATCCGGATACACACCTGCTAAAACTGC
TTAAAACATTAGAAGGACATGCTTATGGCGTTTCTTATATTGCATGGAGTCCAGATGACAACTATCTTGTT
GCTTGTGGCCCAGATGACTGCTCTGAGCTTTGGCTTTGGAATGTACAAGTGAGCGAGTTCCATCTTTGGTT
GAGCTTTTAAGTACAGCATAGTCATAATACAGGAGAACTAAGGACAAAAATGAGCCAGTCTCATGAAGACA
GTTTGACAAGTGTGGCTTGGAATCCAGATGGGAAGCGCTTTGTGACTGGAGGTCAGCGTGGGCAGTTCTAT
CAGTGTGACTTAAATGGTAATCTCCTTGACTCCTGGGAAGGGGTAAGAGTGCAATGCCTTTGGTGCTTGAG
tGATGGaAaGACTGTTCTGGCATCAGaTACACACCAGCgaattcggGgCtATAAc
Table1 4252
NNNNNACAGTTCATTTAAGTTTTTTATTATCTGACTTACAGATATTTTATTTTCTGCTAACTAGT
GGTTGAGAATACAAATTATAACGGAGTTAAAAATTAAACTACATTTAAAAACACCACCCTAGAAAACATAG
TTTACCAAACACAAAAATCAATTTGTATTTATTTAAATTTTTTAAAAGTACCAATGAAAAAACTCTTCTCA
GTCATTAAAACATGAGTAACATGACAACTACAAAGCTTTCTCAGGAGTAATAATAGAATGGATAAGATTTA
GAGCCAAACAAGTGACTATGGGGACTCACCCATTTTCTATTTATATTGTATAGAACTCTTAAAACAAAGCA
AAATAAAACAAAACCTGATTTACTCTTTAATTCCCAGAAAAAGCTTTCCTTTTCTTCCACTCATTTGTATT
TCCTTAAACAGCTGTAAATCAGCTTCTTGTATTGTGCTGACAGAGAAAATAAACAGTGATTGCCATTACTG
AAATTTAAAGTTAAATATTAGGTATTTACATGAGCTTTTATGAAGAAATGGGGACAGCAGGAGAAATGAAA
GTCACCAAAAGTCATGAGACCAATAAACATTCTGAGAGAACATCAAGACATGAGATAGAAATCTCAACAGC
TTTAGTAATTTCTTGATGTCAGTAGTTAAATGATTAGTTGAAATTAAAATATTAGATTTGAAGTTAGTCAT
AGGCAATATTACAATTATTCTGCTTAATATAAAGTCTATTAAATTAATGATTGATTTAAAAGATGACTGAT
AATTCCTATAGTTCTGGAGCAAGAACTGCTGCTTTTGGTTTCCTTATTATATATCAAATTCTATCACCATA
TCATTAAGTATTCTCGGACGC
Table1 4254
ATAGGGAGTCGACCCACGCGTCCGGCCCTTTGAGGTGCTGAGCCTTCTTGTGTAGGGCCTAACAC
TGGAAAAACTGCCTCTTCCTTTCAAGGCCAACCTGCCCCTGCTGCAGCGGGAACTGCTGCACTGCGCTCGG
GCGGCCAAGCAGACCCCATCCCAGTACCTGGCTCAGCACGAACACCTTCTGCTCAACACAAGCATTGCATC
GCCTGCTGACTCGTCAGAGTTGCTCATGGAGGTGCACGGAAATGGGAAGAGGCCCAGTCCAGAGAGGTGAG
CAGATGAGCTTTGCTGTCCTTGCCTTCCTGGAACCGCACTGGTCCTCCCCTTTGCTTATAAAAGAGAGAGA
ATTTGATTGCTGTGGTTGTAATGTCTCAAACTTTTTTTGAGACAAGGCCTGGCTCTGTCGCCCAGACTGGA
GCGCAGTGGTGCAATCTTTGCTCCCTGCAGCCTCCATCTCCTGGGCTCAAGCGATCCTCTCACCTCAGCCT
CCTGAGTATCTGGGATTACAGGCACGTGCCACCATGAC
Table1 4257
NNNNNGTGAAATCAAATCCCTGCCTTTAGTTCTCCACAAAGCCCTGTTCTCCAATAGCACATGCG
TTTCTCTGTGAGCTGTATTCGCATCAGCGCCGGAAGCCTCAGAAAGAATGCGTGTTTACACTCTGTACGCG
GGGATGAGCCTGATGTTCCAGACCGCGCTGCAGCAGCTGGATTTGGGACTGATGGAGATGATCAATAGGTA
ATTAATGAAGCTATATCTGTGCCACAGGAAGTAGCAGACATGAACTATCCATCAAACAAATCATAGTGTAA
TAATTGTGCAGGT
Table1 4260
CGAGGCGCCGCGCGCCCGCGTACTGCAGCCGCCTCAATATCCCCTTCCCCTTCATCGTCTTCGCT
TACTTCTACATGGTGGTGAAGAAGTGCTTCAAGTGTTGCTGCAAGGAGAAAAACATGGAGTCTTCTGTCTG
CTGTTTCAAAAATGAAGACAATGAGACTCTGGCATGGGAGGGTGTGATGAAGGAAAACTACCTTGTCAAGA
TCAACACAAAAGCCAACGACACCTCAGAGGAAATGAGGCATCGATTTAGACAACTGGATACAAAGCTTAAT
GATCTCAAGGGTCTTCTGAAAGAGATTGCTAATAAAATCAAATAAAACTGTATGAACTCTAATGGAGAAAA
ATCTAATTATAGCAAGATCATATTAAGGAATGCTGATGAACAATTTTGCTATCGACTACTAAATGAGAGAT
TTTCAGACCCCTGGGTACATGGTGGATGATTTTAAATCACCCTAGTGTGCTGAGACCTTGAGAATAAAGTG
TGTGATTGGTTTCATACTTGAAGACGGATATAAAGGAAGAATATTTCCTTTATGTGTTTCTCCAGAATGGT
GCCTGTTTCTCTCTGTGTCTCAATGCCTGGGACTGGAGGTTGATAGTTTAAGTGTGTTCTTACCGCCTCCT
TTTTCCTTTAATCTTATTTTTGATGAACACATATATAGGAGAACATCTATCCTATGAATAAGAACCTGGTC
ATGCTTTACTCCTGTATTGTTATTTTGTTCATTTCCAATTGATTCTCTACTTTTCCCTTTTTTGTATTATG
TGACTAATTAGTTGGCATATTGTTAAAAGTCTCTCAAATTAGGCCAGATTCTAAAACATGCTGCAGCAAGA

Table 6
736/3331

GGACCCCGCTCTCTTCAGGAAAAGTGTTTTCATTTCTCAGGATGCTTCTTACCTGTCAGAGGAGGTGACAA
GGCAGTCTCTTGCTCTCTTGGACTCACCAGGCTCCTATTGAAGGAACCACCCCCATTCCTAAATATGTGAA
AAGTCGCCCAAAATGCAACCTTGAAAGGCACTACTGACTTTGTTCTTATTGGATACTCCTCTTATTATTTT
TCCATTAAAAATAATAGCTGGCTATTATAGAAAATTTAGACCATACAGAGATGTAGAAAGAACATAAATTG
TCCCCATTACCTTAAGGTAATCACTGCTAACAATTTCTGGATGGTTTTTCAAGTCTATTTTTTTTCTATGT
ATGTCTCAATTCTCTTTCAAAATTTTACAGAATGTTATCATACTACATATATACTTTTTATGTAAGCTTTT
TCACTTAGTATTTTATCAAATATGTTTTTATTATATTCATAGCCTTCTTAAACATTATATCAATAATTGCA
TAATAGGCAACCTCTAGCGATTACCATAATTTTGCTCATTGAAGGCTATCTCCAGTTGATCATTGGGATGA
GCATCTTTGTGCATGAATCCTATTGCTGTATTTGGGAAAATTTTCCAAGGTTAGATTCCAATAAATATCTA
TTTATTATTAAATATTAAAATATCTATTTATTATTAAAACCATTTATAAGGCTTTTTCATAAATGTATAGC
AAATAGGAATTATTAACTTGAGCATAAGATATGAGATACATGAACCTGAACTATTAAAATAAAATATTATA
TTTAACCCTTAGTTTAAGAAGAAGTCAATATGCTTATTTAAATATTATGGATGGTGGGCAGATCACTTGAG
GTCAGGAGTTCGAGACCAGCCTGGCCAACATGGCAAAACCACATCTCTACTAAAAATAAAAAAATTAGCTG
GGTGTGGTGGTGCACTCCTGTAATCCCAGCTACTCAGAAGGCTGAGGTacaagaattgctggaacctggga
ggcggaggttgcagtgaaccaagATTGCACCACTGCACTCCAgccggggtGACAGAgttaagactctCATG
GGGACACTACTGTTCAAAAGGCCCTGGCCAAATAACTCCCAAATGAAACACTCAACCCAAGGATGTTTTCA
GCCCACTGTTAGTGAAGCTGGGTGCAGAATGCAAAGCCTCTAAAAGGAGAGGATACAAAGTCAGGTGAGTA
GGGGCCATTGGCAATGCTCAGAGCCAGCCAGACTCCAAACAGGGAGCCCAAGTGGTTTTTTTCTGGGACAC
TCTACTTGAATTATTGTTTAATTAGTCAACCATAGATCTTCAAAAGAGAACAATTAGTTAACATGATAAAA
AGTGACTGCATTCTTTGGACTGTATCATAATTATAGTAAGCAAATTCTGACAGTTTTAATGAAAATAGCCT
CCACCATTTTGCAGGTATGAAGATAACTTAATTATCCACAGGGCTTTTAATGTCTGCTGGACAATACATGA
ATGATAAGCTATAAATGACATTGTTTTATGATATAAAAATACTAGTTTTTTTCATTTATTATTTCTATAGG
CATTCACTGTTTGAGTCAAGGTTAGGCTTGTTAAGTGATTAAAGGCAATTTTATTACAGCAGCATGTACTT
ATTCTATTCTAAAAGAATAATATTCATAaacagaaACAGGTTtTATATTTGTTTGCAACCTGCAAAATTGA
ATTATTTTGCTGATATAAAATACTAAGAACTCACTTGAGGACCATGCCACCTTCTGAAAAGGCCACacaCC
TACTTCTAAAAGGAGAGGATACAAAGTCAGGTGAGTAGGGGCcgttgGCACCCAc

Table1 4261

NNNGGTGTTGCATGGCGTCGCTTCTCTCTGTTTTGCTTCGTGTTTCTTTCTGTGCTTTGTTTTCT
CGTTCCTCTTGTTTGCTCTCTGGTGTTTTTTCCTTTGCGCTTTGTGTTCGCCCCTTTTTTGTGTCTCTGAT
GTCTTTGGGGGAGGTCTTCTTTGGTGAGTTTCTCGCTTGTTTTGTATTTTCTTGGGTATTTTTCTGTGGTT
GTTGATCTCGCGATTTTAGTTTATCTGTGAGTATTTTGTTCTGAGTCTGCCTTGTTTCTAGCTGTTTAGTG
GTTCCTGTTAATTGCAGCCTGTTGCATCTTCCTTTTTGCGTTCAGATCTTGATCCGTATTTAGCTTCATGT
GTCTGGATGTGTGTTTTTTTATGTTGTGTGTCACAGAGCTAAAAACTCAGTTCCCAAATCCCCAGTGCTAA
GGCAGCGCCATCAGGTATTTTAAGCTAAACTTCTTCACCCCTGAGAGCATGTCAGCTGGAGAAAAGCAGTT
CTTCCTTGCCCACTTGAGAAGTGCACGCCCACTCACCCAACATCCTGGTCTCTAGGAAAGCCTCATGTGAG
GTTCCTCTTTCTTTCAGCTCAGTGCCCATGGGCAAGGATCATGATTTCCATTCCGTGTTACAATGACAATA
TTTAATGAGCATAACCTTCTCAGTCTCCTGCTCTCAAATTTAGGACAGAGCCGCTAAGGACAAAACAATCC
CTCCCGTGCTTTATGATGGCAGCAGGGGCTGGGGAGCCTCTGAGGGACTCTTTCATTCTGCAGTTGTCTGG
AAGCCTGGGTGGCGTCATGAGCTGAAGGATCATGCTTTCCTGTCCTGGCTCCATAGGTTATAGGCTGGCTG
GTGAAAGGTTCACGTGGCCCAGGCTGAACTTCATTGCCTAGCTTTGGATGTGCTTTCTGCCATAAAGACTG
ATTTTTGTTCGTTCTGAGCCTTCAAGGAATTTGTTTTTTACAACTGGAATATGCTCCTGTGTGTGTTAACA
GATCATGGATGTTTTATGTTTTCACTGATCATTTAAAGAGTTTGACCTCAGAGCTCCAGGATCATCAGTAA
ATTTGTCATGTTATATATTTATTTTTTTATAAATCAAGACTTCTGTGTGCTCTTAAATATATTAAAAACAA
TTTACATTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATTGTGGGGGGCCCCGGGCCCGAAAAAGGTTTT
TAAACCCTTCGTTGGGGGCGGGGGCCACGGTTAGGAGACCTGGGCACGGGGTCCGAGAAGAATCGCGGCCC
TCGTCGAGGGTGGGGTTTCCCCACCCAAAAAAAAAAGGCGCGGGCAGCGCGTGTTGGCACCAACCCCAAGG
GTGGCGGGGCGTCCACGGGGTCCACACAGGGGGCCAGCGAGCAATAAGACCCGCCCCGGGGGCGAAAAAAC
AAAGACGAAACACATAGAAGCGCACAGCACACCGACACAACGAAACACCTAGCAACAGCAAACAGAACACA
AAACGACACAACAACCGCAAGACAAAACAGAGAGAGCAGANN

Table1 4263

NNCGTCCGGTGGTTGTCTAGTCTCTTCTGTCTTTAGAACAGTGGTTCTCAAACTTTAGTACACAT
CAGCATCACCTGGAGGGCCTTTTTTTAAAATAAGACACAGATTGCTGGGCTCATGGTCAGAGTTCCCAGTT
AAGTAAATCAGGAAATTTGTATTTCTAACAAGTTTATAGGTGAGGCCAATACTGCTGTTTTGGGAACTATG
CTTTGAGAACCACTGCCTTGAAAAAATTTCCAACTTCTACCTTTAAGATCAGCCTGACTTATCAAACGCTA
GAGAAAAACTGAATCTACCCTTGGGCAGATGACTTGGGATTGGATTCTATACAGCAGTCTTGCTCAATCTT
CCCAGTTTCCAGTTTTATTATACCAACAATTGGTTTTTACAAGCTAGAAGACAATGAATGTATAAGTTCTA
TGGAACAGTGAGATAAATCTAAGCTTCTTGTCTTTGTATTTAGAAACATTGATTCTATGGATGATCATTTG
TATCATGTTGACCCTTTGACTTGTACTGAAGGTGATTTTAAATTTAAGTATGTAGTGTTTGAATTTCTTCC
ATCCATGTCGTTTTAATGAGATGTTTCCATGTCAGCTCCTTTACAGCCTTGGCTCCTGGCTTACAGATTTT
TGAATAGTTGTTTGCTTGCCAGTTGTTTTACATCTTTCATTGGCCACCAAAATATTAGCCATTTGAGATGA
GATGAGACTACTTGTTGTACCTTCATCTTTCATTTAATTTTCTGGCGTAAATTAACATTTTAATTTCATAT
ATATCTGTAAAGAGTCTACCCAAAGGCTTCACGGAAATTTGCAAAATGAACTAATTCCCTTTTAAGCAGCA
GGTGTGCCTGTTTTTGACTTTTCAGTAAATATGTTGTTTGTGCACATATCTACATGGTGGAGACCATATTC
ATTATTTCATCTTCCAAATAATGGGAAAAATATAAAAGTGAATCAGTGTGCTTTGGGAATTCAGTGAAATC

Table 6
737/3331

ATGTTAACTCATATAGAGGGGGCCTTAGTTTATCTCTTCTTTACTGAATTAATTAGTTTTGGAAATTCTTT
TACCATTAAAAAAAATTAAGGACCATACAGAGAATGATTTAAGAAAAAACAAGTCACTTAAAAATCATCAC
CTATTTATAAACTGTATTAATTACACATAATGCTTATTGATTCAATGAGGTTTCTCTAAAGACTTCTGCTT
AATAAATATGCTGACTTCATTTAAATTAGTTTAGACTATTGTAGGAATGGAAGGAAATGATTATATTTACT
AGAATTAGTGAGATCAGAAAGCATATCAGAATGTTGATGATATCAAGGAGACAATCTACAGAGTTTTTGCC
TCTGTGGATGGAAATAAGGGTGTTTTTTTTTTGGTTTTTTTTTTACTTTAGTTTCCCATAATTTTTGGAAAT
TATGTGTGCATTTAGTTCTTTTAGTAACACTGATTTTAAAATTAAATTTCAAAAGTCAATCTCTAAGAGTA
ATTTATTTTTGTTTTACCAACCAGTGCCAAAAAGGAGAGGAGGGAATCCAAAAGCCAATCTTTTGAACCAA
TGTGTAAAAGATTATGTTTTTTCTTAAAGTTAGGGAGGCTCGGGCCCTGACACTGCCAGCCCCAGTGAGCA
TCCCTGGCTACCTCGGGATTATGTGCAAGCTGCTTTGTCCTACATTTCTTTCATCTGGTTCTTATTGGGAG
TGCTTCTCTCTAATAAAAATTGATTTCCCACAAAATAGGCAAAGCTGAACAAAGATGAATGCTTTTGATAA
GTTGGGTTTCACTTCAGTTGAAACAATGTGATAGAATATCCAGGTGTGGCATGATGGGGCAGGAGGAGGTG
CCTAGAGGGAAAAGTTATTTTTGTTTCTTAGTGTTGTGTTGTGGGGATGGGACAGATAAGAATAAGATGTT
TATTGCCCTAATCATGCTAAGAGACTATTATTCAATATGCTTTTCCCGCTTTTCTAAGAGGAATAAACTTA
GACAAATTACATTATAAACAGTTCCCCTACTACTATCTCCCACTCTAGATAAAGCCAGTGGGTGGTATGGG
TCCTTTTATTCCTTATAGTATTATGCCAAAGAATCAACTTATTTTCATTGAAGATTATAAATAAATGAAGC
TTGTTATAGCCATAATGATTTGAGTCAGTATACCATTTTACCTATAAAATGCAAAATTCATCCTTGCAACC
CCATTCACCAGGAGCCTTGAAGCATTTTGTTTACTCCAAAGGCCTTGTCAAGGAAGCATAATTTTTTGTTT
TGCCTTCTTATTTAGTCAGTTTGGTCATATTTACTTAAAAAAACAAACTGAAAATCACACTCCTTTATATG
TTGATATAACTGATTTTATAGAATCTGTCTGTTCTTTGTTTAACAGGTCTCTGTAAGCAAGCTTGCAAGTG
TATTTTGTGTACATTTTATCTGAGGTGGAAATGAAAATTCTAAAGAGAAAATATTTTAAAAGATATTGTAT
TTATGTTGCTTGTGTTGTAGAATAAAGATTCAAATGCATTAAAAATCTGGTACATGAAACAATTGTGTTTA
CTGAATAAATATATATAAATACAAAAAAAAAAAATTCACTGGCCCGCGCN

Table1 4265

GGGATATGGGCAGTGATTATGGCAGGTGGGATACCGCAATGAATGTGGCAGGTGGGATACGGCAG
TGATTATGACAGGTGGGATACAGCAGTAAATATGACAGGTGGGATACAGCAGTGATTATGGCAGGTGGGAT
ACGGCAGTGATTATGACAGGTGGGATACGGCAGTGATTATGACAGGTGGGATACAGCAGTAAATATGACAG
GTGGGATACAGCAGTGATTATGGCAGGTGGGATACGGCAGTGATTATGGCAGGTGGGATACGGCAGTGATT
ATGACAGGTGGGATACGGCAGTGATTATGGCAGGTGGGATTTGGCAGTGAATATGACAGGTGAGATTCAGC
ATGAATATGACAGGTGTGGTTCCAGTCCACAAGAGCTTGTATTGCAGTTAGAGGGAAACAGAAAATAAAAC
AAATCTTGGAAATCTCACATAGTGAAAAATGTTAAAAATAAAACCAAAAGGTGGCAAAAAAGGTGACTAAG
GGAATTTTTTTCGGTCATTATTTACTTACTATTTGTGATGAATAAGCATTAATTGGAAGCTTAATATTGAC
CTCTGCTTTCTTTTTCTTCTTAAAAGAGGAAACAGTCTGATCACTTTTACTA

Table1 4266

ACGTAACAGGACATCAATAAATATTAGTTGAATGGAAGATTAAATCAACAAAATGGGTGATGGAT
CTCTGCAGTAAGTGGAAGAGTTCTTCATGGCCCCCAAGGTTATATCCATCTAGAACTTCAGCACGTAATTT
CATCTGGAAATAGTGCCTTTGCGGATATAAGTTAGGTAAAACTGAAGATGAGATCATACTGGATTAGGATG
GGATCTAAGTCCAATGAAAATGTCTTCATAAAAAACAGGAAAGAACCCATAGAAACACAAGGAAGAAGGTC
ATGTGAAGATGGAGGCAGAGATTGGAGGGATGCAGCCACCGGCCCAGGAATGCCAGCAGCCACCCAGAAGC
TGGAAGGAAATGAGGGATTCTCTCCTAGAACCTTTAGAGAGAACATGGTCCTGTGAACAGCTTGATTTTGG
ACTTGCCCATAGCTTGTATACTCTTACTTTGGATACAATTTTATCCAAACTTGGCTAAACAGTTTCTCAGC
CTATGGAAAATTTAAAATGGAGAAGATTCAACTCGATTCTTACAGATTCAAAGCAAGAAAATGATGGGAAC
ATAGGAGGAGACCAAGAAAGCCTATAAAAAGCAAAAATATGAAGTGAACATTGTGGTAGCTTTAAGATGTT
TAGTGTAGCTGCAGGCACCCTATACACATGAAAACCCCCAAGGGGAATCCCCATATCACAGTGTAGTGTGA
TATTTGACATTCGTGATCATCTAGAGATGTACAGAAAAGGTGAATCTGTGTTCTGTATATTCTGCCTAAGG
CAAAGAAATGTTTAGCTCTCTTTAAAATAGTTCCATAATTTTTTCTAAAAAGCTTTGCTTGAAAACTGTAA
GCTTCCCATATCTGGAGCATTTCACTTTAAATATTTGGATAAATATGTTATCTTCTTACTTGGACATTTCA
TGTGTTTAGGGATTGTCTTCTAAATTCTTCCTAATTCATATAGCTGCTAACACTTCCCGCAGAGCTAAACC
ATTACAGATATGAAATAAAGACCTATTGATTTGACTTACTTTTACTTGTAAAACCTTCTGAGTGTTATAAC
CTCATTTAATCTTTCAGCATTTACAGTTTCAAGAGTTTGTGTCACAATTAGAAGAATTCAGCTGCACCTCC
AAGTGACAGCAGTTGCTCTGGTTGGTGGGTGATCTCAGGAGGCTTGAGAATTGCTTTGTCTGTGAGGGAAG
TAAGACATTTTCAGAGCCCCACTTTAGAAGGTGTGAACTGGCTAGATAATGAACCCCAGGGCTAACGCTGC
TATAGCAGTGGGAAGGAGGTGATGGGTTTTCAGTTTGGACCTCAAACATCAATACCCTCCTGGTACCTCGG
CCGGCCCCGCGGGGGAGCTCAATTGCCCTATAGTAGN

Table1 4268

ACTTTTCATTATTTACCGTTTATAATTTGGAGGTAAGACCATTAGACCCAAAGAACTTTTGTCTT
GGTGTGTTCTTGTTTAAATATGGAATTTATTTTACAAAATAGTTTTGTTTTGTATACATGTCTAGTCTTAA
GGGGCAAAGTGAAATTTTAATGAGTCTACAGAATGTTCTAAGTGGACTGGGTGGTGCAGCAGCTTCCTCCC
ATCGTGATATTTACAAGAATGCCAGGTCTCTCTTGACTGATAGGTCAATGGCTGTTTGATGTGCAGCGGCC
AATTGTCTACTATAACTACAGAATGAACCTGTATTTATGTGTACTGCTCGAACTAGAAAATTTAGCCACTC
TCTGCTTTAAGGCNNNNN

Table1 4271

GGCTCACTGCAGCCTCTGCCTCACAGGTTCCAGCGATTCTCCTGCCTCAGCCTCCCAAGTAGCTG
GGACTATAGGAGTTAGCCACCGCACCCAGCCAGTACACATTTTAAAAATACTAAGTATCCCTCCATTAAAT

Table 6
738/3331

AAGCATTTTCTGGCCACCGTGAGGACCATGGGAAAGTATACTGTGTAGACAACATGAACACATATGAAACA
ATTAAAGGGCAGTGCAAAGCAGAAAACAATAAAGTGATCAATTCAACTGCAGAATTCACTGCCTAAGGTTT
TGGCAATAAAAATAGGTAAGTGTTTGAACTATATTTTCTTTTGATGCTTTTGGAGTGGTGTTTTTATTTCA
TTTCTTAATATATTTTTCAAGAGAAATTATCTAATCTAGTTTATCTAAATCTTTTGAGACATTTCCTATCC
GCCTTCTCCCTTTTCCCTGGCAAAGGAGCTCAACCTGTGAAAGTGCAAATGTGTGAGCTGCGTGTCTCTGC
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Table1 4274
GGGAGTCGACCCACGCGTCCGCGGGATCTGTCCGAGCAGGAAGCCAGCCTCAGCCCGGCCGCTGT
CGCCGCCCTGTCCTGGTGCCCGTCCGCGTCGTCGCCCTCTTCACTGGCCCTCATCACTTCTCACCGCGCCC
TCCAGCTTCACCCGTACAGGTAGCCCCGCCGCCGCGCACCTGCCTTCGCTCCCGCACCGGTGACAGTGGAT
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ACAGATGGATTTCAGATGGGCAATATTGTGGATATTGGCCCCGACAGCTTAACAATTGAACCCTTGAATCA
GAAAGGCAAGACATTTTTGGCTCTCATAAACCAAGTGTTTCCTGCAGAAGAGGACAGTAAAAAAGATGTGG
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GCCGGCAAAACAGAAAATACAAAATTTGTTCTAAGATACCTGACTGAATCCTATGGAACAGGTCAAGATAT
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TAGGTTGTGTGCTGGTGCTTCTGAAGATATTAGAGAAAAACTTCATTTGAGTTCACCAGATAATTTTCGGT
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GGTAAGGACGACATGGAGATGTGTGAGCTGAATCTTGAGGAGACTGGCCTGACTCGGAAGCGTGGTGCTGA
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Table 6
739/3331

AGAGCAGACAGGCTCGGCCCACCTATGCAACAGCCATGCTGCAGAGTCTGTTAAAGTAGATGTTGCACACC
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Table1 4275
NATAATTAACGCGGGGGGCTAGGTCCGAGGCAGGGCCGCGGGCAAGATGGCAGCGGCGCTGCGCG
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Table 6
740/3331

GCTGCCTTGGGGGATGGGAAGGAACCTGAAGGCATTTTTTCCAGAGTGGTGCAGTACCACTGAGGACTGTT
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GGCACCCATAAAAAAACCACGGAAGGACCCAAGATAACAGCACCACATTTGTGACACAGGTGCTCAATATG
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ACGCGACGAGCACCAGCAGCGACACACAGCGAGCGGCACGACGAGAGCAGGCCACAGAGCAGCAGCGGAGC
CGACGCAGCCGAGAAGACCAACGAGAGCGAGCGTCACAAGAAGCGCAGAGCCAGGGAGACGAAGGCCCAGA
ACGAGCGCANNNNNNNN
Table1 4277
ACACTGTGCAGAATAAACAAACCTCAGTGTAATAGCTCAGCCAAGTCGGTTAACAAATAAGGAAA
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TTTTAAAATGGCCGAGTTTACACCACAAAATCCATGGGGCATGCCAAATAAACAGAAAAGTTTGACACACA
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CGGTAGTGTCTGTCATTTCGCGGTTCTTAGAAGAGTACTTGAGCTCCACTCCGCAGCGTCTGAAGTTGCTG
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CCCCTTCAACTCTTTTCTCTCGGGCTTCATCTCTTGTGTGGGGAGTTTCATCCTAGCGGTTTGCCTGAGAA
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Table1 4283
NNNNNNNNNNNNNNNNNNNNNNNNNNAACCTGGAATGACATTTTTTTATTCCACAAGTATTTACTG
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AGCTGGTGAAGGATGGCAGAGTCCATGCAGGGCACCGTGGGACCTGATN
Table1 4284
CtacTAtaGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGAACAGCATATTTAAGTTC
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CACCTTTCTATACGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTGGAGCAATAGAACCCCAGTTC
TACGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGAACTTCCCAATCAGATGAGCACGGATGATTG
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Table 6
741/3331

ACGGCACAGATGCCTGTGTGACTCCGGTTCTGACTTTTGAGGAGGTTGTTCATCATGATCACAACAAGGAA
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TTTTtcCCTACAAAAAAAAAAAAAAAAaaa
Table1 4286
NACACTTACCCCCCTTGGACCTATCTTAACTATACCACTTCCCCCCCAATTTAATTGCCCCGACA
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GGAAGAGCTATGCCAACCAGATGGGTTCCCTGTGATTCCAGCATATGCTCCCTTAGAGACACCAGAGTCCA
CAGAATCATGGCGGAACAGGGAGGGCTGGTGCCAAGAATCTCCTGCAGTTCGTAGGGGACCATTGTTAAAA
AAACCATCAGAGGAATTATGTCGACGGCGGCTTACTCCAAATCTACCTTCTCCTCTGGGTAGGTGCTCTCC
GTGTTTTTCGAAGGTGGCAGTAGGTGACTTAGCTGACTGTGGTGTTGAGAAATTTAGCCAAGCAGGAACAA
AATCATGCTGCGCCATTTAGGTCCAGTGTCTCCTTTCAGTAAGGTGAGGCATCCAACCTCATGGCCAGGAT
CCCAGAGTGTAACCTCTGTGGTCCTGTTTCTGAACTCGAGTCGGCCAGCTGGATCTCCCACAAGGTTTCCT
TGTTAAAAGGGTGCTTAAGTAACCTGGCCGGCAGCACGACTTATGATGAAGCACGAAGAAGCCAGGTTCTG
TGTCGATCACTCTCTCAGTCCCCTCAACTGCTCATCTTAAACTATTTGGTTCCTGACACGTTTCCAAAAGG
GGAAAGGGGAAAAGGGGAAGGGGGGAAGGGGAACATAAAAAGTATTTGTTACATTTAAAAAGGGGGGGAAG

Table 6
742/3331

GGGAAAGAGCTGTATCTATGTTCACCTCATTCAACTTCCTTGAGTTATGGCACTATGATGTTGCTTAATTA
GGTAAGACATGGATATTTGCACCGAGTGCAAATACTGTTCATAACAAGGTCATAGCTAGAAAGACAGATGG
GCTCAAGTGTGGACAAATAATGTCATCAAGGTAATAGATCAAAAATATTAAAGCCCTATAAAAGATCTGAG
CAGTCAACTCCAAAACATCCACATGACAAAGTCCTTAAAATACAAATCTCATTACTCTTACTCATGCAACT
GCTAAAAAATAGTGTGCAGATATGTATTTATATTTGCCTTAACCTTCAAAATCTAGGGACATAAATCTTGT
CTTTGTTAAAAAAAAATAAAAAATAAAAATAGACAGGAATTTGCTACACTTTTCCCTCCACGAACAGCAGC
TTTCAAGGCAAATTTCTTGGTATAAAGCTACTAAATGTATATTCTATGTCTTTGGCCTTTACTATTTATAA
ATTCAGAGCAAAGTTAAAACATTAGAACGATGGGTAGGATGGATATTAAGAAATAGTCAAGGAGAAATATA
GGTCCAAAATGAGGATTTCTTCTCTTCAGTTTTCTGTGTTTCACTTGTTCTGCTCCTTCCCAAAATCTAAA
TTGAGCCACTGGAAGGAGATATGAAGAATCTTCTATGCTTTGGTAGAGAAGTCACTTATTATTTTGGATCC
ATTTCCACCACTTCACAATCATTTGAAAGGCCACACGAATCTATCACTCTCTCCAAGGACTTGCAAACCGG
TTTCGGAGGAACGTGTGTTTCCCGCCCTTCCCACCTCCGCTCCTACTCTCGTGTGCGCGAGCGGACN
Table1 4287
CGCGTCCGTGAATCTTTTGCAGTGTACTGTGTGCAATACCAAGGGCATAGCTCCCTGTAATTTGG
GAAATACNNNNNNNNNNNNNAAAAAAAAAAAAAAGGCAGCCTGTGCAGTCTTAGTAACTTTAGTATTAAGAG
CACTTAAAGTCAAACTGACAATTTTGGGCTTATTACAAAATGTGATGCTTTAAAGCACACGTTCTTTATTG
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GTGTACACATGCTTGCACACATGCACACACAGTGAATGTTTTAAGTTATACAAACATAAGACCTTAAGATG
CAAAGAGCCAGAATATTCTAAAGAGGTGATGAACAGAGGGGGTGGAAACTGCATCACAGATGTTTTCCAAG
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GCGTTTGTGGTGGTCTTCTTTTGAAAGGAACAGTAATTTGTGTGGATATTGTTAAAGTGTTTAAAGAATAT
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TTCAATCAAATGAAAGAAANNNNNNNNNNNN

Table1 4290

NNNNNNNNNNNNNNGGCACCTAAATCTAAGCAAATTGCACTATGGCTCCATCTCCGGATTGGTCA
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AATCCTCAAGATACTGAAAGTAATGCCAAGTGAAAGACCAAGGGGGTGGGTGGAGGGCTAATGGGCTGGAC
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GATCTAAACCTTTGAATCCCCAGATATTTTATGTTATAAAAAGATGTCCCACTTTCAGAATCCAGNNN

Table1 4291

NNNNNNNNNNNNNNNNNNNNNNNACTTCTAGCATTAATTACGCCAGCCACCATGCTAGGTAACAAG
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GACACTACATCAACCTCATCACCAGGCAGAGATATGGAAAACGATCTAGCCCAGAGACACTGATTTCAGAC
CTCTTGATGAGAGAAAGCACAGAAAATGTTCCCAGAACTCGGCTTGAAGACCCTGCAATGTGGTGATGGGA
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TGTGTGTGTATGTGTGTAAAACATATAGATGCATTTGAAGATATTGATCAAAGGAATGCTAATTTGGGAAA
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TTTAATGAATTTTAACTTAAATGGCCATTAAGTCTCTAGTGGCTACCATATCAGACCGTTGAGGTCTATAC
ATCTATTTTGGTCACTACTGTTAGAATTTGAGTGAGAAATACAATGAGTGGGATGATTATCTTTTCATACA
ACATGGGGCATGTTAATTAATTTAGCTGAAATTTATTAAACTTCCTCCTTCATGT

Table1 4294

ACACCGGGACCACCAAAGGGCCATGAACTCTTTGTCAGTCAAGTCCCAAGGTCCCATAGAGAGCA
GATGGCCACTTTAATGTCACCTCAAGCCCTTAGGCTGTTTTTAGACATCCATCTCCTTAGTGGATGCTTTT
TATAGACCCCCATCCAAGACCTCACACATCTTGTAATTAAATTTCATCTGGTAGTATTTTGACTTTTTTTC
CAGCCTGTCAACACCTTCTGTGTTCTTACTTGTTGTATCTCAAATATTTGATACCCTTTTCAGTGTTGTAT
TAATCTAAAATTTGTTGTTTGTGTTTATGTTTTCATGAAGTTACTGTTAAAAAATATAGGAAGAAGAGAAG
GTTAAGATTTGAGCCCTTCAGTGTATAGTTGAGCTTGTCCTGGAAGACATCAGCCATTTAAGAATCACTAA
GTTGGCCGAGCGCGGTGGCTCACGCCTGTATTCCCAGCACTTTGGGAGGCCGAGGTGGGCAGATTGCTTGA
GCCCAGGAGTTCGAGATGAGCCTGGGCAAGTGGCGAGACCCCGTCCCTATANN

Table1 4305

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CGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCCGGGATTACAGGCGTGAGCCACCGCGCCGGGCCTGATTT
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AACCTTTTGTATTTGCTCTGGCAATGTTTAATATCTCATAAGCTATACACACCTCGAAGCCATCAATGACA
ACCTTTTCTTGCTGAATAGAACAGTGATTGATGTCATGAAGACAATTTTATCTCCTTTTGCCTTCCATAAT
TTGTACCTGCCCGGGGCGGCCGCTCTAGAACTAN

Table1 4308

gtCCGGGGTGGAGGGGTTCATagTTCTCCCTGAGTGAGACTTGCCTGCTGCTCTGGCCCCTGGTC
CTGTCCTGTTCTCCAGCATGGTGTGTCTGAGGCTCCCTGGAGGCTCCTGCATGGCAGTTCTGACAGTGACA
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TGAGTGTCATTTCTTCAATGGGACGGAGCGGGTGCGGTTCCTGGACAGATACTTCCATAACCAGGAGGAGA
ACGTGCGCTTCGACAGCGACGTGGGGGAGTTCCGGGCGGTGACGGAGCTGGGGCGGCCTGATGCCGAGTAC
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GCGTGACAAGCCCTCTCACAGTGGAATGGAGAGCACGGTCTGAATCTGCACAGAGCAAGATGCTGAGTGGA
GTCGGGGGCTTTGTGCTGGGCCTGCTCTTCCTTGGGGCCGGGCTGTTCATCTACTTCAGGAATCAGAAAGG
ACACTCTGGACTTCAGCCAACAGGATTCCTGAGCTGAAGTGAAGATGACCACATTCAAGGAAGAACCTTCT
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GGCCTGAAGTCCCAGCATTAATGGCAGCCCCTCATCTTCCAAGTTTTGTGCTCCCCTTTACCTAATGCTTC
CTGCCTCCCATGCATCTGTACTCCTGCTGTGCCACAAACACATTACATTATTAAATgTTTCTCAAACATGG
aAAAAAAAAAAAa

Table1 4312

ACCGCGGTGGCGGCCGCTTTTTTTTTTTTTTTTATATTTTTAGTAGAGACAGGGTTTCACCGTGT
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GGCGTGAGCCACCCATCCGGCCTAACGAGACTTATTTTTACTCAACTAGATGGCGTTCATTCATTTGCTTA
CTCAGCTGTGCCAGGAATTAAGTTGGGCACTGGGAATTCCAAAACCAACAAGACATTCTCTGTCATCAGGG
AACTCACAGCCTAGTATGAGAGATAAACAAATGAACATGAAATTATAATTCAGTAACAAAGAATGAGTGTT
ATGGCAGAGGGAATGTGTAAGAGCTTGGCAGGGTATCCAGCAGGGATACCTAACTAAGCCCCACTGGGGAA
GGCATCCGAACAGAGGGGACAGCTGAGCTGAGTTCAATGAGCCAGTAGGAATTAGGTTGATATAAGTCAAA
TCATTTAGTGTTTATGACAACTCTGAAAAATAAGTATTTCCATTTTACAGATGTGAAGCCTAAGTCTCAAA
GAGTTATCCAACATCATCCAGAAGTGTGGGGACCCCACAATATCCAAGGGAACCTGGCCCCAAAACTCATG
ATCTTTCCCCTTTACCGTGCTGCCTCTTCAAGACTGAGAATCTGTCCTTGATGGGATTTGTTCAGGTACCA
TGTCAGGATGACTGTCTACGTAATGGAAGCCCTGTCGCCAGCTTTTCAGCTTCCTTTCAAATTCCCCCAAC
TCCTTCTTTTTTTCACGCAGCAACTTGTCTCTTTCCATGGAAATGCCTGTTCTTCATTGAAATTAAGTCCA
TCTGGCATGATCTCCCTTGACTTCTTTCCTCTCTTTTTGAACATGTGTTGATCCTCAGCCCAGCAGATTGT
AAACTCCTCAAGGGCAGGTGCCCTGTTTTAATCCTTGTCTGTGTCCACATAATCAGGCATAAAAACAAGGG
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AGAAAAATGCAACAACATAATGGAGAAACACACAGAAAGAAAATCAGAAACAGAACCCCAAGGCATAAAAA
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Table1 4313

GAACATTGGGTTTAGTGCCTGGCAACTTGATGCATATGGAAGAGCAATGCCAAGTGATCTGACAT
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GCAGCTGGCTGCCCTCTGGCCCTGGCTGCTGATGGCTACCCTGCAGGCAGGCTTTGGACGCACAGGACTGG
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GCTCGGATGGCGGGTGAGCGAGGAGCCAGTGCTGTCCTCTTTGACATCACTGAGGATCGAGCTGCTGCTGA
GCAGCTGCAGCAGCCGCTGGGGCTGACCTGGCCAGTGGTGTTGATCTGGGGTAATGACGCTGAGAAGCTGA
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CCGGTGCCGCCCCCGCCACAGCAGGCCGGATCCGCTTCAGCAGAGAACAGCCTGGGCCATCAGCCAGCTGG
CCACCAGGAGGTACCAGGCCAGCTGCAGGCAGGCCCGGGGTGAGTGGCCAGACTCAGGGAGCAGCTGCAGC
TCAGCCCCTGTGTGTGCCATCTGTCTGGAGGAGTTCTCTGAGGGGCAGGAGCTACGGGTCATTTCCTGCCT

Table 6
745/3331

CCATGAGTTCCATCGTAACTGTGTGGACCCCTGGTTACATCAGCATCGGACTTGCCCCCTCTGCGTGTTCA
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CTCCACCTCATTCGCCAGCATCCCGGCCATGCCCACTACCACCTCCCTGCTGCCTACCTGTTGGGCCCTTC
CCGGAGTGCAGTGGCTCGGCCCCCACGACCTGGTCCCTTCCTGCCATCCCAGGAGCCAGGCATGGGCCCTC
GGCATCACCGCTTCCCCAGAGCTGCACATCCCCGGGCTCCAGGAGAGCAGCAGCGCCTGGCAGGAGCCCAG
CACCCCTATGCACAAGGCTGGGGAATGAGCCACCTCCAATCCACCTCACAGCACCCTGCTGCTTGCCCAGT
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ACCTGGCAGATGGGCCAGCCAGTGACTCCAGCTCAGGGCCCTGTCATGGCTCTTCCAGTGACTCTGTGGTC
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CTCGGCCTCGTTCCTTGGACTCGGTGGTGCCCACAGGGGAAACCCAGGTTTCCAGCCATGTCCACTACCAC
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CCAGATCCAACTCAGCAGCCCCTTCGGGGCGGCTCTCTAACCCACAGTGCCCCAGGGCCCTCCCTGAGCCA
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GTTAGTGGGGAGACTAGCACCTAGGTACCCACATGGGTATTTATATCTGAACCAGACAGACGCTTGAATCA
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Table1 4314
aGAGACAGGGTTTCACTACGTTGGCCAGGCTGGTCTCAAACTCCTGATCTCGTGATCTGCCTGCC
TTGGCCTCCCGAAGTGCTGGGATCACAGGTGTGACCCACTGCGCCCGGCCTTATCTGTCTCTTTAAGATCC
TATTGCATTTGGGATCCTGTAGTATTATGCCACTGCCTATTTACCTAATAATATATATTGAACATCTTTCC
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Table1 4315
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TGTCCCAATGTCGCTCTGACCCAACTCCCTTGATGATGCAGTGTGTGTTTGGAGGTGAGTTGTGTAAAGTG
GCCAAACATCAACAACAACAACAAAAAACACAAACAGGAAAGAGCAATTGGGTAAAGCTGTACACTGCTCT
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NNNNNNNNNNNNNNNNNNNNNNNNN
Table1 4317
TTGAGACGGAGTCTCGCTCTGTCACCCAGGCTGGAATGCAGTGGCACGATCTTGGCCCACTGCAA
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GGCTAATTTTTTGTATTTTTAGTACAGACGGAGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGAC
CTCGTGATGCACCTGCCTTGACCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACTGCGCCCGGCCAATA
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GGTGGGGTCAGTGGTGAAGAGTGTGTCAGGCCACCACAGCCAGAGAACAGAGAATCCTGGAATGCAGAGTA
CAGTGGAGTCTGAAGCCCCCTGGCCTTCCTGAGCTCTGAAACAGCTGGATACAGATAAGCAGTCTTTCACG
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ATCTCCN

Table1 4318

NNNNNNNNNNNNNNNATGGACAAAGTATAATAATATTGAGGGACCTTTCTAGGGAGCCTTTGGTC
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CTAGAAATGGGTCATCTCACTCCTGTCATTGGCAAAGCAAGTAAGATCATCCATCAGGAGTGGCTTAGATT
AATGAATTATCCTTTGAGTCGTGTAGACTAGAAAGTTCAGTCATGTCTACTAGCAAGAAAGGAGATAAGGG
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Table1 4319

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CACTGAATTTGCCATAATCTGTAGACTAAAACTCACATACCACCCTTCTCTTACCACAGAGGTATCACTAT
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TTAGTACTTGTTCTTAGGGAGCCATGTAACTTGTTTTCATTATTAGATCTTAGTACTGTTCACTACACACT
TAAAAAATGAGTGTCAAGTGCCTTTAGGGGAAGAACACTCTGCCTGCATGAAAATGTCTTAAAACTGAAGG
AAAATTTCAAGAACGCTCTTGATCAGAAGTCCAGACTGTAAACATAATCGCTGGGTCATGTCACTTGGAAC
CAGTACTCACATGAGGCACCAAATAAAGGAGATGATTTACCTTGGCTTCCGCCTCCTCTTCAGCAACCAGG
GCATCCATCCCCAAGCGCTGTCTTAACTCCNN

Table1 4320

NNCGCTCTAGAGTATCCCCATGCCAATAAGCCTCCACAGAGTGTGAGGTACATTACTCTGAGACT
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CCTTCTCCAGGAAAGCACAGCTTATTCAACATCAGAGAACTGAAAGAGGAGAGAAACCCCATGGATGTGGT
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TACAGGAGAGAAACCCTACAGATGCAGCGAATGCGGAAGAGCCTTCAGCCGGAAGTGCCGGCTCAATAGAC
ATCAGCGATCACATACTGGGAGAGAAACTCTATGGGTGCAGTGTGTGTGGGAAAGCCTTTTCTCAGAAGGC
ATACCTCACCGCTACACCAGAGACTTCACACAGGAGATAAGCCTTATAAATGCAGTGATTGTGGAAGACCT
TCTATGGTTGTCCATTCTATGGTGGTGCGGATCCTGNN

Table1 4323

aacagtCTGGATGGAgCAGTCAGagggtttgataaagtgctctggacccctcgggtgctgtCAAa
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Table 6
748/3331

CACAATTTCTGTCTGAAGGGATCTAAAGTATACACCACCCAGCCcggggtccagttttacaCGGGCAACTT
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TCATACAAATGGTGGCTGTTCTGAGAATCAGTCTGGGTATTGATTTCCTTTTCCAGTGACTGGCTCCAGGC
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TCAACTTTTTGCCCTTCCTTTCTTTAAAGCTATTCTCACATTGCTTTTATTTCCTCCTCCTTCACCTCCAA
CCACTGTCAGCAGCACTCTGGAGTTTTCAAATGTCACATTAGCCTCACCCTGCATGCTAGGAGATGGACCT
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ttggccaatgcgattttgattgaacaagcttttgatgcggcccgcattgagcttacttggcaattgcctta
taggggggggtttaaattaattgggcgggttttaacaaaggggaaa
Table1 4324
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
CTGCACCCCTCCTCCTGGCCAGGGCAGCAAGCCTTAGCCTTGGCTTCTTGTTTCTGCTTTTTTTCTGGCTA
GACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTTCGGCATGGAGACCGAAGTCCCAT
TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
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Table 6
749/3331

TCTACATGTCTAGAGAACACTGTGCTCTATTACCATTATGGATAAAGATGAGATGGTTTCTAGAGATGGTT
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gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa

Table1 4325

NGAGATGAGAGCTCACCATGTTGACCAGGCTGGTCTGAAACTCCTGTCCTGAAACAATTCTCCTA
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ATTATATTTTAGCAGTGTCCTTTTCTTGAAGTTCAAATTAACATTCATATTTGTATAGCTGACCTCTGCAA
ACATGGCAGACATGAGGATTTAATATGACTTTCTCTCAATTTCAGTTTATGTTCAGTTTTGGAATTGCAAG
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GGAGTCCCATTAAACTGACTCTAAAAATTCCTAAAAGAAGGCATGATTTATTATAAGCAAATGGCTAACCT
GGCTTTTTTGGTAATAGAATTTTAAATGAAAATAAAATTATACAAGATACACATTGTTTGGATTTTTAAAA
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AGAACGCATTTGCAACTTTCAAATGCATTTGATGCCCAACAATTTCATCACCTACCCTATGTTTAAAACTG
GGAGGCAATCCAGAAACTAAAAGGAATCAGAAATTTGCAAAAATATGTTTGCGATACACTATCCAACACTT
GTACTGACAACATTAGTGTAGATATTTCAACATATGTTAATTTTAAGGAGTAAGTTCGGCAGATGGGCTTC
TAAATTATCAAATTTCAATTAAGACGGACGC

Table1 4326

ACATGTAATATGCAGAGGTGTTTGTGAGCTGCAGCAGTAGTGTATCATTTGCATCTTTTGAACAA
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TTATTATTCTCATGTCTGACGATACATCTGTGTTCTTTGTCCAGTGACTTTTCTGGCACCGTTAACCAGCT
AAATTTCATGTATGTGTCGTTAGTCTTCATGGTGTTCCCCTCCTGGGATCCCAGAATCGTGTTGCTCTTCT
TTTCTTGCCAATGTATCTTAATAACATCAGGGAAAAATTTCTCAAGAAGACAAAGGTATGTTCCAGCCTTC
TGGAGCTTTGTTTCAGCAATTGAAGGAAGAAAAATAGTGGGCTTGGGGGAAACATCTGCATCAAGTTGTTT
ATCAAGTGCCAGGCATTCTGGTAGGTAATTTCCATATTTAATTTCATTTAATCTTTATAACATCCACTTTA
GATAAATAATCTCCATTATCTTCTTTGTACCTCGGCCGCCACCGCGGt

Table1 4329

CGCGGTGGCGGCCGAGGTACGCGGGGATTTGGAGCATGAACCCTATTGTGAACTGCTCATCTGAG
GGATCTAGGTTGTGTGCTTCATATGAGAAACTAATGCCTGATGATCTGTCACTGTCTCACTTTGCCCCCAG
ATGAGACCATCTAGTTGCAGAAAAATAAGCTCAGAGTTTCCACGGATTCTACATTATGATGTGTATTCTCA
TTTTATGGAAGACATGTTGCCAGAGTAAAGCACAATATATTCATCTTGAAATGTAATACTGAGAAGATATG
GAAGTTATGGAAGTTGTGGCCTTCAGAATTGACACTTACGGAGAGACTAGAACAGCGTGGGTGAGTTGTGA
GGGGCAGGAAGCATGTCTTAATGGACTTAACCAATTTTCGTCAACTATTCACAGTAAAATCTTTCAATGTA
CAAAATTTAATAATCTGATAAACAATAAACAAAATATTTGAATAGGCATTTTTCATAAGACGTACAAAGGG
CAGACAGGCATACGAAAAGGTGCTCAACATTTTTGATCATCAGACAAATGCAAATCAAAACTACAATGAGA
TATTACGTGACTCAN

Table1 4330

NNNNNAACTTGGGCGACAGCAAAAGACCCTGTCTAAAAATAAATAAATAAATAAATAAATAAACA
AATATGTACAGCCATCCTTGTCTTCAAGCACTTTGAGAACATTTTAGCCATTGATGTTTACATGTGGCACC
CACCCATGCAAGATAGGTTTCTGTATTTATACATTAAAATACCAAAAAAAAAAGTATGAAATGCCTTCAAA
AATGTTCAAAGCTTGAGAGAAAAGCTTTTTTCATTAGTCAAGGTGTTTTGATATGGTATTAAAATAATATC
TAACAAAATGAAAAAAAAATTCTCTTTTCTCCATGAATGCTGACACTGGGGAGAATGGCAATTTTAGGCTG
TCAAGAGCATACTAAATAAGTAAAATATCTAGAAATGCAATCGACTTGCACGGGATATGAAAATTACTGGC
TTTCAGTCACTTTTGGCTATTTCATACTGGCAGAAAGTAAAAATTATGGAACACACAAGTAAGGCCTTATA
TTACATTACTATTAAATGATAAATAAAGCTACTATATCTTTTAAGATACATCTTTACTATTGTTAACTATA
ATTCAAAAAAATTCCAATTGCTTCAATAGCTCCAACATTTATAAGTGAATCAGGAAATAAATAATGGAAAC

Table 6
750/3331

GAAAAAAACAGTTCTACTGTTAAAAAAAAAAACAAACCACCACCACCATCTCTTGGGGCCGTGCACGGTGA
CTCAACACCTGTAATCCTTGCACTTTGGGATTGCAGGTGTGAGCCATCGTGCC
Table1 4332
ACCTAGAATTGTGTAGGAAGGAGGAGTAGCAATGACTAGATTTAAACCTAGAAATACAAGCAGGA
ACCTGGCTGTAAAAGGCTACACTTTATCTAAGAGACAGTGAGATATTAAGATGTAGAGTGTATCTGTTTGT
AAAAGGTTTAAACAGGTGAGAGTTTATCTCATGTAATAGGAAGTCCAGGACATTGGAAAAGGAAGTGGCGT
AAGCAGTCCAAAGCTCTAAGCAGCTCAACAATGTCGTCATCGACCCAAGCTCTTTCTCTCTTTCTACTTCA
CCATCCTTAGCATGTAGCTTTTATTGTCTTTGTCATAAAATGGCTGCTACATTGCCATGACTCAAGTTTTC
ATTCCAGGCAGGAAGAAGGAGAGAGAACAAAGGGTAAAACACCTTGTCCTCATGTGTCTTGCCTTTTTATT
CTAGAAAATAAAACCTTCCTTGAGAACTTCTGCCTACCTCTCACTGGCCAGAACTTAGTCACTTAGTGATC
TGTAACCACAAAGAAGGCTTGGGTTCAGTTCCTTTACTTCCTAGTGCTTCAAGTAAN
Table1 4333
NNNNAGGAAGCCAGTTTTTTGAAGATGGTTTATTTAACCATATCTTATCCTAGAGAGATGGCTGT
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AGCTTCCCAGTGGGAAGGAAACTCCAGCTCGACAGGTAAAGGGAGTGGGTGGGGTTGCTGCCTGCAATTTC
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TCNNNNN
Table1 4336
ACATAAGCCTGACGATATGGTCTTGAGGGGTCATCCTAAGGCTGTTAGACCGAAATTAAAACAAA
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TCACAGAACAGCACAGATCTCACAATCACTTCGTTAAATAGCAGCGGATTCCTCAAGACATACAGTCCGCG
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ACGTATATAATTGGTTCAATTATCACTAAAATAAAGCAGTGCTGA
Table1 4337
ACACTAGACCTAGAGCTCTGGGAACAAGTGGGAAGAAATCTTAAACGACGTGCGCAAGGGCAGTA
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AGGGGAGGGGTCCCTATGTTAATGT

Table 6
751/3331

Table1 4338

NNCGAATATGAGCTCCAACGCGCGGGGCGGGCCGCCCGGGCAGGTACGCGGGGAGGCTCCTGGGG
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CACTTGCTCTCCACGTAAAAAAAAAAAAAAAACCAAAAGTACCTGCCCGGGCGGCCGCCCGGGCAGGTACT
CTTACTTGGCATGCAGACATGTCTGACTCCAGAGTGCTGGTTGTAGAATAGGAGAAAACAATCCCTTGAAG
ATAAACNNNN

Table1 4339

TACTTTTTAACTCTCTCGTTAAGAGATGACCAGAGCTGGGGATGCGGGCACCTGTCTTCCAGGCC
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CTCAGCCCCTCAGAGAATGATCACCCTGAATTCATTGTCTCAGTGAAGGAAGAACCTGTAGAAGATGACCT
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Table 6
752/3331

aagcagaactttagggtcccgtcgccggttcggcgcgctgccaccaccaccaatagctccagactacgcac
ccgcgcaccgcgccctcgccgatttaacacgcaggctctactag
Table1 4340
NNNNNNNNNNNGGTCTTCATGGTATCACATCACCAGGTCTTATATAACTTGAACCTGTATTCATG
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CTCTTACGTAAAGCCATCCCTATTTCCTTTTACCTTTCCAAATCCCACCCATTCTTTCAAGGCCAGGGTTC
ACATCCCTCCTTAAGGATGTTTTCCTGGCCGGGCGCAGTGGCTCACACCTGTAATTCCAACACTTTGGGAG
GCTCANNNN
Table1 4341
NGCCCCTGGTTTTTTGCGCCCCCCTTTTTTGTTTTTTTTTTTTGCGACCGAATCTTGCTCTGTCAC
CCAGGCTGGAGTGCAATGGTGCGGTCTCAGCTGGACTGTTAACCTCCGCCTCCTGGGTTCGAGATTCTCCT
GCCTCAGCCTCCCAAGTAGCTGGGACTACAGGCACCCACCACCACACCTGGCTAATTTTTTTGTATTTTTA
GTAAAGACGGGGTTTCACTATGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCGTGATCCACCCACCTTGG
CCTCCCAATCTTATTTGCTTTACAAGTCCTGCTTCAGGGTTACCTTCCCTGACCACTGCTGCCTCCCTCCC
AGCATTTGCCAGGGACTGTCATTGCCTTAGTTTATTTTTTCTGTTTTGTTTTTTTTTTGTCGTTTTTGTTT
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CTTGAACTCCTGGGCTCAAGCAATCCTCTTACCTCAGCAACTAGGACTACAGGCACATGCCACCACGCTTG
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GCACCTTTTTCTGTGCCTCTAAACACCTGTAGTCTGATAGGGGACACCCCCCCCCAAGACCTTAATCATTCA
CATTAACACCTTGAGACTTTTTGCCATATCTGACTGAATATAGCCAGTCATTTTTTCCCTTAAATCAAGTC
ACTTTTTTTTTTTTTTTAAACAAAGTCTCATTCTGTTGCCCTGGCATGATCTCAGCTCACTGCAACCTCCTC
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CTGACTAATTTTTGTATTTTTAGTAGAGACAAGTTTTCGCTATGCTGGCTAGAAGTTAAAGGTCAGCCTGG
CCAGCATAGCGAATTTTTGTATTTTTAGTAGAGACAAGTTTTGCGGACN
Table1 4342
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TGATTGCNNNN
Table1 4343
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TTATTTATCATTTTGAAATAAAATCAAAATTTCAACCTGTaAAAAAAAAAAAAAaag
Table1 4344
NNACGCGTCCGGAATTATCCATTTTTAATATTTAATATATCTCCTATCTGATAACTTAATTCTTC

Table 6
753/3331

TAAATTACCACTTGCCATTAAGCTATTTCATAATAAATTCTGTACAGTTTCCCCCAAAAAAAGAGATTTAT
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CGCAGAACCGACACGACCACNNNNNN
Table1 4345
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Table1 4348
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Table 6
754/3331

GCCGGGTGACAAGGTCACAGGAGAGAAGTTTTAACTTGACTCCCAGGAAAGCAGTCTACACGGTTGTTCCT
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Table1 4350
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Table1 4351
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Table1 4355
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Table1 4358
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Table 6
755/3331

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Table1 4360
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Table1 4362
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Table1 4363
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Table1 4366

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Table1 4367

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Table 6
757/3331

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Table1 4368
AGTCGACCCGCGCGCCCCAATCTTTGGGAGAGTTTCAGTACTGGCATAGAATTTAAATGTCAAAA
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GGAAGAAGTCTCCTGATTCGGACAACCATGAGGGGTAGTGGTGCTAGGGAGAAGGCAACCTTCACTGGTTT
TGAACTCAGTGCCTAAGAAAGTCTCTGAAATGTTCGTTTTTAGGCAATATAGGATGTCTTAGGCCCTAATT
CACCATTTCTTTTTTAAGATCTGATATGCTATCATTGCCTTAATAATGGAACAAAATAGAAGCATATCTAA
CACTTTTTAAATTGATAATTTTGTAAAATTGATTACGTTGAATGCTTTTTAAGAGAAGTGTGTAAAGTTTT
TATATTTTCACAATTAACGTATGTAAAACCTTGTATCAGAAATTTATCATGTTTACTGTTTAAAATGATTG
TATTTATAAAATTGTCAATATCTTAATGTATTTAATGTAGAATATTGCTTTTTAAAATAATGTTTTTATTT
TGCTGTAGAAAAATAAAAAAAAATTTGATTATANNNNNNNNNNNNNNNNNNNNNNNNNNN
Table1 4372
NNNNAAATTGGGACAGGATCGGTATAGTGGCTAACGCTGGTAATCCCACCACTTTGGGAAGTCAA
AATGGGTGGTTCACTTGAGCCCAGGAGTCTGAGACCAGCCTGGGCAACACGGTGAAACCGCATCTCTACAA
AAAGTACAAAACAGCAGGCAAGGTGGCGCACAACCTGTAGCCCCAGTTACTCAAGGGTCTTGAGGCGGAAG
ATCCCTCAAGCCCAAGAGGTCAAGGCTGCAGTGAGTCATGATCACGCCATGCCACGGCACTCCAGCCTGGG
CAAGACAGTGAGACCCCGCCTCAAAATAAAGTAAAATATAAAATAAAAACAGCAAGTGGGAACTCAGCATT
CAAGTTAACTTGTAGAGCTACCCAGCTGCTAAGAGCAGTGTGATCTTTGGTGCTCTTAGGATCACTTTGGT
ATCTGCTCATTTTCCTTTTTGTCTACCCTATAAAGCACAAAATCGAGTGGGTAAAAAGTATGAAACCAGCA
CTGTTTCTACTTTCTTAGAGGTCTGGTATCTAGTGAGCAGGCTGAGGCCTCAGGACTAGTTCAGTGTTAAG
GATTTCATGTTGAAACTCATTTGTCCTCTGTGGGTTTTTTGACAGTAGAGAGTGACCTAACTCGTTTGATT
TTGTTTTTCCCTCAGTTGACTTTCCATCTTCAGTTCGAATACATTTATTGACCAAAATGGCAGACATTGAG
TGAGTACTTCTTGCCCCAGTTTTAATTCTTTTCTTCCTTTTTTCCCCTGTTGTGAGTTATTTGTTTCAACT
TTCTTGGTTTCAGGTTTTTTTCCTAAATCGTTCACATACG
Table1 4373
NAGCGGCTGTGAGGCTCATCACATCGNAGCTAGAGAGACGCTGACCGAGCGAAGCTCACGACGAG
TCGCGCACGCACTCAGCTGAGGACAGAGGAGCTCGTCTCAAAAACAAAACAAAAACAAAAACAAAAATCTT
ACTGTGGTAATAGTTGCATAGCTCAGGAATATAGAAAAATGATGGAACTGTACACTTTAAATGACTGAATT
GTATATCAATAAAGCTGTTTAAAAAGATATTCTAAAACAACTATAATAGCAGTGTACTGTGGAGTATATTT
TATATATAGAACTATAATATATAGTAACAATAGCACAAAGCATGGAAAGGGGTAATCGAAATATACTACAG
TAAAGTTCTGACATTTTACATGAAATGTAGAATATTATTTGACTATAGACTATAAGTTAAAGATATATATT
GTAAACCCTAAAGCCACAACTAAATATTTAAAATAAAGATGTATAGCTAATAAGGGAATAATTACTATGCA
ATAGATTAATAAAAAATTCTCACTCTGAAAGAGAAAAAAAGAAGAAAAGAACAAACAGAGCAAATAGAAAC
CAAATAGCAAGATGGTAGGTTTAAACCCAACATTATTGATAATTACATTAAAGGCTGAATATTCCAATTAA
AGGCAGAGACT

Table 6
758/3331

Table1 4375

CGACCCACGCGTCCGGCGGTGTTCTGCAAAATGGGTTCTCCGGCAGCGGATTCGACCCACGGGTC
CGGCAAGTGCTGCGAACCACGTGGGTCCCGGGCGCGTTTCGGGTGCTGGCGGCTGCAGCCGGAGTTCAAAC
CTAAGCAGCTGGAAGGAACCATGGCCAACTGTGAGCGTACCTTCATTGCGATCAAACCAGATGGGGTCCAG
CGGGGTCTTGTGGGAGAGATTATCAAGCGTTTTGAGCAGAAAGGATTCCGCCTTGTTGGTCTGAAATTCAT
GCAAGCTTCCGAAGATCTTCTCAAGGAACACTACGTTGACCTGAAGGACCGTCCATTCTTTGCCGGCCTGG
TGAAATACATGCACTCAGGGCCGGTAGTTGCCATGGTCTGGGAGGGGCTGAATGTGGTGAAGACGGGCCGA
GTCATGCTCGGGGAGACCAACCCTGCAGACTCCAAGCCTGGGACCATCCGTGGAGACTTCTGCATACAAGT
TGGCAGGAACATTATACATGGCAGTGATTCTGTGGAGAGTGCAGAGAAGGAGATCGGCTTGTGGTTTCACC
CTGAGGAACTGGTAGATTACACGAGCTGTGCTCAGAACTGGATCTATGAATGACAGGAGGGCAGACCACAT
TGCTTTTCACATCCATTTCCCCTCCTTCCCATGGGCAGAGGACCAGGCTGTAGGAAATCTAGTTATTTACA
GGAACTTCATCATAATTTGGAGGGAAGCTCTTGGAGCTGTGAGTTCTCCCTGTACAGTGTTACCATCCCCG
ACCATCTGATTAAAATGCTTCCTCCCAGCATAGGAAAAAAAAAAAAAAACAACCAAAACAAAAAACCGGGG
GCCTTTTCGGGGGGCGGGCACACACAGGCTGGTACGGACACGGCGCACACGGGCCATACGGCGGTCTCCTG
GACCCAGTCTTTTTGTCCAAAGGGGGGGAACTGGGGGCCCCCAAAAGGGGCCGTATAATTCGAAACCCAGG
GTACGTGAACACCACGAAACAAAAAANGCAACAAGAAGGGAGAAAGCACAACATAAAACAAGGGCAAAAAC
AACGCCACTACCCCACACACAAACTACAACCGAACGACACGACACAACGAAAGCGACGGCCACCGAGGCAA
CGTCGCGAAAAAGTCGAAGCACANNNNNN

Table1 4378

NNNNNNNNNNNNNNNNNNNNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTCGGTTTTTTTTTTTTCTGTTGATATCAGTATTTTATTACTTGCGTTATGAGTG
CTCACCTGGGAAATTCTAAAGATACAGAGGACTTGGAGGAAGCAGAGCAACTGAATTTAATTTAAAAGAAG
GAAAACATTGGAATCATGGCACTCCTGATACTTTCCCAAATCAACACTCTCAATGCCCCACCCTCGTCCTC
ACCATAGTGGGGAGACTAAAGTGGCCAGGGATTTGCCTTAGGTGTGCAGTGCGTTCTGAGTTCACTGCCGA
TTACATCTGACCAGTCTCCTTTTTCCGAAGTTCCTTCCGTTCAATCTTGCCAGTGATGGTTTTTGGCAGCT
CTGAGACAAACTCCACCTTCCTTGGGTACTTGTATGGGGCTGTCACTGACTTGACATGCTGCTGCAGTTCC
TTGGTCAGCTGATCCTTGTCATGGGACAGGAACTGTGGGGTCAGGACAATAAAGGCCTTCACCACCCAGAG
GCATTAATGATGTCATCACTCCTCCCCAGGAAACAAATGTAGCCCTCTTCATCCATCTTTCCTCTGTCCCC
AGTGTTGTAGAAGTCCCCACATTCCACTTTAGCTGTCTTCTCTGGGTCACCCTCATAGCACATGAAGAGGC
TCACAGGCCTGACAGGTTTGATTCTGATGCCAATGTTTCCTTCTGTGTTAGGTGGCAGGATGCTGCCCTTG
TCATCAATGACCTGGACGTCATAGGGTGGGAATCATACACTGCAGGAGGCCGCAGCCCTTCTGCCCCTCCC
AAGCACTGTCTGGTTTATGCATGGGACACCAGTGTGGATGAAATAACAGAGGAAACATCAGAAAATGGAAT
AAAACTGTCAAAAGCCTTTAAAATACGCAAATGTGAAACTCAAGCCAAGGGTCTATGTTTCATGAGTTAGT
AGATGTCACCAATGTGTCTTCAAGTTGGAAAACAGTGATCAAAAAAAATGAAAAGCACCACTTGCTAGAGA
GGGCTCCCAGTGCAGCCTCTAGGTATTCTTTCCTACCTACTGTGTGTGATGCCCTGGCTGCCAGGGTCAGC
GGTGTTCATGCTCACAATAATGCAGTTTTCAACTGAN

Table1 4380

NNAAGTCAGATGAAAAAATTGTGATTCACCATAAGCCATTGGAGATCCACATGGGAGCCAACTCT
CTGCGGTGAAAAGAAAGGGATTATCTCAGACAGTAAGCCAGGAGGAAAGAAAGAGACAAGAGGCTATCTTT
GAAGTCATATCCTCTGAACATTCATATTTACTCAGCTTGGAGATCTTGATACGAATGTTTAAAAATTCTAA
AGAACTGAGTGATACAATGACTAAAACCGAGAGGCACCATCTTTTCTCCAATATTACAGATGTCTGTGAGG
CAAGCAAAAAGTTCTTTATAGAGTTGGAAGCAAGACATCAGAATAATATCTTCATAGATGACATAAGTGAC
ATTGTGGAAAAACACACAGCATCCACATTTGACCCATATGTGAAATACTGCACAAATGAAGTCTACCAACA
ACGAACACTACAAAAATTGTTAGCTACCAATCCTTCCTTTAAGGAAGTATTGTCAAGGATTGAGTCCCATG
AAGACTGTAGGAACTTACCCATGATCTCTTTTCTCATTCTCCCCATGCAGAGGGTGACCCGCCTTCCCCTG
CTGATGGATACTATCTGTCAAAAAACACCTAAGGGACTCTCCGAAGTATGAAGTCTGCCAAAAGAGCCTTG
GAAGGAAGTTAGCAAGTTGGTTCGACTATGCAATGAGGGCGCCCGGAAGATGGAAAGGACTGAGATGATGT
ACACAATTAACTCCCAGCTGGAATTTAAAATTAAGCCTTTTCCTTTAGTCTCCTCTTCCCGGTGGTTGGTA
AAAAGAGGTGAATTGACAGCCTATGTTGAAGACACTGTGCTTTTCTCAAGAAGGACATCCAAACAGCAAGT
CTACTTCTTTCTCTTTAACGATGTGCTCATTATCACCAAGAAGAAGAGTGAAGAAAGTTACAACGTCAATG
ATTATTCCTTAAGAGATCAGCTATTGGTGGAATCTTGTGACAATGAAGAGCTTAATTCTTCTCCAGGGAAG
AACAGCTCCACAATGCTCTATTCAAGACAGAGCTCTGCCAGTCACCTCTTTACTCTGACAGTCCTTAGTAA
CCACGCGAATGAGAAAGTGGAGATGCTACTAGGAGCTGAGACGCAGAGCGAGCGAGCCCGCTGGATAACTG
CCCTGGGACACAGCAGCGGGAAGCCGCTGCAGACCGAACCTGTGGCTGACGTCGTCCTCATCTATCAACGT
GTCAGCGATGGCTGGTATGAGGGGGAACGACTACGAGATGGAGAAAGAGGCTGGTTTCCTATGGAATGTGC
CAAGGAGATAACATGTCAAGCTACAATTGATAAGAATGTGGAGAGAATGGGACGCTTGCTAGGACTGGAGA
CCAACGTGTAGTCTCTCAGATGGTCTTTTGTTACTGCAAGATTTGCACGACACTTACCGGGCTGGTTGGTT
CTGGGCTAGTTTTATTGTTAATTTTGTCACAGCCTATTTAATTAAAAGAACGAAAACACTTGCCTTTAAGC
TTGCCAGGTTGTTCTGCTCTCTCATGAGAAGAGCTTGGATACAGTGAGTTTGCACAGCTCAGTTTTTACCT
AACCACACACTTGCAGACCTCCTGAGGTACACAGAATAGCTGAGCAGTTCACTTCAGGGATCAGGTCATCT
CTGCTCCTCCTAGTTTCACCATGTTCTGGCAATAAAAAACACATATTATATCCTGGTTTTCTCTATCCTTG
CATTACTAAGGTGACTGTCTCTCTTTATACATCCTTGTATGGTTCTCCCAGTATTAGCAAGATTGTATATC
TGTAAAGAATGTCCAGTTTTGTAAATATTTCCCTGCCTTTTTTTTTCTTTTTTTACATCTGATTTTAATGC
TTCGTTAACTTCAAAAGGAACTGGTAGAGTTCAGAAGGTGAGCTGTTGTTTTTCTAAACCTCTTCCCAGGA

Table 6
759/3331

AGGGGACATTGACACTTGAATTTTTGTCACCTTTTTCCTCATTAGAAGGAAAGTAGAAAGCCTTACTGTAG
GATTTTTAAAAAAAAATCCATCTCACCCCATATTGGTCTTAAATAAGTATAGACTAATTAACCTAAGCTAC
CTTTAACAACGTAGAATTTAGATGGGTTCATATATGTGAGAAAAACCTGAATATAGGACAGGGGTCCTACT
TTTTTCCCCACCTCTGTCGCCCAGGCTAGAGTATAGTGGTGTGATCTTGGCCCACTGCAACCTCTGCTTCC
TAGGTTCAAGTGATTCTCCTGCCTCAGCCTCCCAAGTAGCTGGGATTGTAAGAGTATGCCACCACGCCCAG
CTACTTTTTGTATTTTTAGTAGAGACAGGGTTTCATCATGTTGGCCAGGATGGTCTCTTAACTCCTGCCCT
CAAGTGATCCACCAGAGAGGAGATCCTCGGCCTCCCCAAGTGCTGGGATTATAGGCATGAGCCACCGTGCC
CAGCCTACTTTCTAATTAATTAAAAAAAAAAAAAAAAAAAAAAACTTCCCAAATGAGCTGATAAAAAACTG
ACGTGAGGCTGCTTTGCCTTCAATAATACCTAGTTTTCAGCTGTTCCAACTCGTTTCCAAATAGAAATTAG
CTGGAACACACTACAGTAATCTCAAGGAAGGGAAAATTAGGCCTTAAAAGATACCAAGAAGTCAGCATGGT
ACCCAATTGAAACCTTTTGACCTTAGTGGGAATTCATTCTATTTGCACTAAAAGCCTTAACTTGCTGTATT
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TATATTCCCTCTCTGTTCTATTTGCTTTAACAAAGGGATAAAACCTGGCAAAGTGTACATTATTGGAGGAC
TCAAATCTGTATGTGACATGTCCCAACTACTGTCCGCTAACTAGTTATCCAAATTGTAAAGCTACAGAAGC
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GCACTGGGGACTTCTAACCCTTGGATTGCTCTTTTTGACCTGTGCATACCTTCTAATTGTAAAATATATTT
CAGACCGTGAGTACCTTGAGATCTGAGCAACTGTGTTAATGAAGTAATAGCAATGGTCCACAGTGAAAGAT
GTGTTGGGGTTTGCAAAACAAGCATTCCGTCACCTCTTTAATAATGTCACAGACTTTTTAAAAGAGAGGCT
ATCAAGTTGTAATATAATCTGTCATGTTTTATTTAGGAAGGAAGGTAAATTTGTGCTTGCACGGGGATCAT
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AGTGTTGTTATATGGCAAGTATTTAACACATTCACAGTGTTTGTTTGATTTCAACTGTGAATTGTCTTACA
GTTTTTTCAAACCTAGTTGTTTCTATGGACACCTGCTCTGAATTGTACATTGACTTCATTACTAAAGAACA
AAAATGTTCATTTTTGTCCCAGTAAATTGAGACTGCTTGTACACTTTCAGAAAAATATGTGAATTTATAAA
GATTTTGTAGATACTTAAAAATAAAAATACATATTTTACTAGATTATTTATTGATTAATAAAAAACCTCTA
GGGGGGGCCCCGGTCCCCAATTGCCCTTATAGGAGTCGTTTCCAATTCATTGGCCGTGTTTAACAAGTTGT
ACTGGGAAAACCCTGGTGTACCCAANN

Table1 4381

ACTTTTTATTCCACTCTCTTCTTGCTTGCGTGGTTTCTAGAAAAGACAGCTGCAGTTTGCATCTT
TATTCCTCTATAAGTAAGGTTTATTTTTCCCTCCTCTGGTTTCTTTCAAAGATTTATTTTTTTATCCTTGG
TTTCCTGCAGTTTAGATATGATATGCCTTAGATGTGGNTTTTTTTTTTTTTTTTTTGGCTTTTATCCTG
TTTGTTGTTCTCTGAGCTTCCTGAATCTGTGGTTTCGTGTCACATATTAATTTAGAAAAATCTCATTCATT
ATTGCTTTGAATATTTCTTCTATTCCTTTCTCTCTTTCCTCTCCTTCTGGGGTTCCACTATGCATACTTAC
ATCTTTTATAGTTGTCCCACTGTTCTTGGATATTCTGTTCCTTTTTTATTCAGTCTTTTTCCCTTTGCTTT
CATTTTTGGAAGTTTCTCTTGAAATATACTGAAGCTCCAGATTCTTTCCTCACCCACATCCAGTCTGCTAA
TGAGGCTTCAACACCATGCTTCATTTTTGTTAGTTTCTTGACTTCTAGAATTTTTATTTGATTCTTTCTTA
GACTTTCCATTTCTCTGCTTATATTACTGATCTGTTCTTGCAAATTGTCTATTTTTTCCATTATCACTCTT
ACCATATTAGTCATAGTTGTTTAAAATTACCAATCTGATAATTCTAATATACCTGCCATATCTGAATATAG
TTCTGTCAGCTAGCTCTGTTTCTTGAAACTTTTTGTTGTTTTGGGTTTTTTGTTTGCTTGTTTGTTTTAGG
GTTTCTTTTTTTCCTCTTACAATGTTTTTTTAATTTTTTGTTAGAAATTAGACATGATATACTAGGTAAAA
GGGAGTCTGGGCTGGGCACAGTGGCTTCCGCTGGTAATTCCAGCAAGTTGAGTGGCTGAGATGGGAGGATG
GCTTGAGGATAGGAGTTTGAGAACAGCCTGGGCAACATAACAAGACCCTGTCTCTACAAAAATAAAAAAAT
AAAAATATTAGCCAGGCATAGTGGT

Table1 4387

NNNNNNNNNNNNNNGGCACCTAAATCTAAGCAAATTGCACTATGGCTCCATCTCCGGATTGGTCA
AGTACAAGGACCAACGATCAATAGATGACAAGCTTTTACAAATCTCCAGCTTCACTTGGTAGAACCCCAAA
CCAGATACAATTGCCTCAGACCCCTCTGTAGGCAATCCAGGATTCCCTATCAGGAGGGAAGTGCAGCCAGC
AACAACTTCCTGGTCAGTAGCTACCACTCCTCCCACACACTCAGTCTCCTTTGGACCTGAGATCTCAAGCC
TTCAAAGAAGTGAGATGTTCTCCTTCTCCCAAAATGCCATCTGGCACACAGCCCCTAAGCCTCTGCTCTCT
ACTTCCTTCTGCCAGGCAATGCCATCAACGCTTTTCTTACTGAAAGGCCATGTGTTACACAGTACTACAAT
AATCCTCAAGATACTGAAAGTAATGCCAAGTGAAAGACCAAGGGGGTGGGTGGAGGGCTAATGGGCTGGAC
GAAATAGCCACTTGATTGCTAGTTCATACAAGATGTGGCAGCAACTCCTTTTCTGGCTGGAGATCTTGGAT
GTCACATCTTAGAATCAGGTGGCAAAGCATCTGTGAAGGGCAATGTGGCATCCCAGACAGTGGGTGGTGAG
ATCAGGAAGAAAAAATGGAAATCAACAGATGGTGGATCCTACAGCTGAGAACTGATTCTTCAATTTGACAT
GGTTGGCATAAACATTTTAAATGGAGCTTGGTAAAGATCAGGTTATTTTACCATTGACCAAGCTCTTGGCT
TCTAAAAGGTCCTAAATTTTTGTTTCCTTTGCTTTCACGAGTGTTTATTTGCTTTCCAGGAACTTCAGGGA
AAAAGGTTAAGTAATGGAGGGAGGAAAGAGGGAGGGGGTTGGCAGATCAAACACAGGACTTAAAAGTCCTA
GATCTAAACCTTTGAATCCCCAGATATTTTATGTTATAAAAAGATGTCCCACTTTCAGAATCCAGNNN

Table1 4388

NGCCAAAGCGTAGTACCCAAGATGCAATCTGGTCCAAGATGATAGTTAGGAGAAGATGACCAGAC
TATTTACAGGTTTTTTTGTTTTTTGTTTTTTTGTTTTTCATTTCCCCTGGGGACACTAAGTGATGCCTCTT
CGGATTATCTGAAAATGTGGGCACTCTGTATGGCAAGATGGAACTGGCTGTCTTTAAGGAAATAGTTTCAA
CTGTTCATGCCTCTGTTTCTCCCTTCATAAAGTTGGTTACTGAGCCTGCATTCTAAAGTGCCTGTTGTGGC

Table 6
760/3331

CGGGCATGGTCCCCTGTAATCCCAGCACTTTGAGAGGCCAAAGTGGGCAGATCACTTGAGGTCAGGAGTTC
GAGACCAGCCTGGCCAACATAGTGAAACCCCGTCTCTACTAAAAATACAAAAAATTAACCGGGCATGGTGG
CGTGTGCCTATAATCCCAGCTACTCAGGAGGCTGAGGTGAAAGAATCGCTTGAACCCAGGAGGCAGAGGTT
GCAGTGAGCCGAGATCGTGCCACTGCACTCCAGCCTGGGTGACAGAACAAAACTTCATCNNNNNNNNNNNN
NNNNNNN
Table1 4389
ACAAATAAATGTTAAGACATGATCCCTGTTGAAATCCAAAAGATAAAAAGCCCTTAAGTTTTCTT
ATTTTATATTATAAATGGACAAGGCAGCAAATGGTATTAAGGATACTTTTGGTAAGAGAATAGTTTTTATC
AAGAGCCAGGGCTGCAGGTAGAATATTTCTCAATTACTATTTACAGCTGAGTAACTGTTTTCCTATGGACA
TAAAAATATACACTCTGCAAATGATTTTTTAATGAAAAATGACAGCCTATTTTCTGCAACTTGGTTTTTTA
CATAATAATCATGGACATACATCTAAGATTGCATATGTAGATCTCCTGTTTTGATGATCACCTAGAATTCT
GTTTTGTGGTTGTGCCTTTAATTGACCAATGTCTTGCTATTTACTGTAAATGGTGCAAGAGTGAACATCTT
GAAAAGGGCGGCAGAGTGGTCTTANNNNNNNNN
Table1 4391
ctaccccacgaaaactaatatattctattttagtcttcgtaggttgactaataaaaaggtctaat
aattcaggcacacactttggcCAAgtttagcttTTATCACATCTAAAAAAAATTTATGTATAAAACAAGTAT
CAGTTCAAAAATATAGATTACTTTTTAAGAAGAACCTGCAGGAAGTATAAAAATATTAAATCTGGTGGAAA
GGAACTGTTACACCTGCCTGAAATTGAGAGGCTGTAATGTTAATGTACATTACAGTATTGTTAGGTACAGC
TGCTCTCCAGGCAGCTTGTTTTACCGTTTAGATCAGAGGTACTCGACACAGATTTCCAATTCATGTTACTA
ACAGGCGCCCTTAAAGTGCTCCATTCCCCTTGCTTGGTACTCCAAAAAACCATCCTGGTCCCATTATCATG
TCCTTTCAAAGAAGCATAATGGCTAGCCATTTTGGACTTCTAGAGAGAGCTCTTCGGAGATTTTTCTTCTA
GAAGATTAAGAAGTCTTTTAAGAATTACAGGTTCAGACATACACTCATCACAACAGTCTAGATTGCTTCGA
AATACGAAATGAAGCTGAAATTAATTTTTACATTTAATTTTATACCTTAAATTTCTTTATCATTGAGGTGC
CAATGTTTTAATGGAAAAGTAGAAAACAGTATAAAATTCAGTATCACCTATTTGTCTCAAATACGAGTACA
GTGAATATTAAACAGGAATGACAaCAGAGTAGCAAAAACAGAACTGGTAGATTTGCCCAAATTAACTGTTT
CTCCAAATTTGAGGTTTATGGCAAGTTGAATGTTTGATCTCTCAGCAATTGTTAATTACATTATCAGCTTA
ACGCTTTCAAACACTACGGGAGGCATTTCTCTGTTCACATAGACTTAAGTACACATATACTAAGCTGTAAA
TAGTCTGCCTTCCATTAGTTTGGTCTCTAAGCACTATAAATATGTCGACTTCATATCAGTCTATGAGACCC
AGTGACCCCCTTTTCAGAGGCATCGGTAATACATTTGGCAAATGTCTTGAAACATGAATTGTAAATTAACA
TAGGTAGAACCTTGATAATAAGAGTCCCAAATATGTATTTTTAAAAATGTTAACATTAGGAAAAAAATATT
ATAATCATCAGCTCTATTTCCTGAAAAAGTTCAGTTGAGGTAACCTCTGCAAGTCACAGCTCCACATTTAC
ATACTGTTCTGACCCTCTTTTTGGCTGGGCTGTGGTCAATAGAATCTGAAGATATATCTCCAGAACCTTTC
ATTTGATAATCAAAAGTCAGCTCTTCTCCAGCATTTATGGtTCTTGTGGAAaacAATGCTAttcgGggAAG
ACGAgtatcgAGGTTATCAATGAAAACATTGAAcAcCtGAAGATTTGGGTCACAGCTGTGATTCACAAAAT
GAGACACATTGCCGTATCGAGCCGCATCCACTGTGAATTCATCAGACTCATAGTCCAGATCAAAGAGATAC
GTGATTCCCTTGTTGTCATAGAACTGTCCTCGTCTTTCAGCTTCTTCACTTGTGATTACCTCTCCAACATA
TTCCATGACAAAACTCATTCTTTTAATCTTCACAAGGGTCTTTACACCCCAGCCACGTCCATTGCTAGTTC
GAAAGATGCAAAGCGAATACTGTGTGCCTTTTTGT
Table1 4392
NCCTATAGGGAGTCGCCCCGCGTCCGAAAAGATTATAAGTAAATACTCTGCTCTTTCAAGTGAAC
CAAACCTATCAAACCTGTTTAGAAAATAAACCAGGCAGAATAAAATGATGCGAAATGTTCATTTTAAAAAA
CTTCAGGATGGGCACAAACACACAGAAGTGGGAAATGAATAAAAGAGTATTGATAAATTTTTGAAAATTGT
TGAAGCTGAGTAATGGGCTTTCAGTCCAGTGTAAAGCTGTTGGAGCGCGGGAGCAAAGGTAAAGAATGATG
TAATGCGCTGGCTGCTCCAAAGCATCTTTTGTTGTGGAATGGTTATTCCAGTCATCTCTTTATGAATCAAA
TGTGAGGGGCTGCTTTGTGGACGGAGTCCTTTGCAAGAGCACATCAACGGGAAAGAGAAAGAGACATTCAC
TTGGAGGGCTCTTGCTGAAAATGGGTTTAACTCTCCTTTTGCCAGTCACCACCAGCCTGACCTCATACACT
TTTAGTACAATGGAGTGGCTGAGCCTTTGAGCACACCACCATTACATCATCGTGGCAAATTAAAGAAGGAG
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GTGGCTCTGCTGGAAAGTGGAACGGAAAAAGTGCTGCTAATTGATAGCCGGCCATTTGTGGAATACAATAC
ATCCCACATTTTGGAAGCCATTAATATCAACTGCTCCAAGCTTATGAAGCGAAGGTTGCAACAGGACAAAG
TGTTAATTACAGAGCTCATCCAGCATTCAGCGAAACATAAGGTTGACATTGATTGCAGTCAGAAGGTTGTA
GTTTACGATCAAAGCTCCCAAGATGTTGCCTCTCTCTCTTCAGACTGTTTTCTCACTGTACTTCTGGGTAA
ACTGGAGAAGAGCTTCAACTCTGTTCACCTGCTTGCAGGTGGGTTTGCTGAGTTCTCTCGTTGTTTCCCTG
GCCTCTGTGAAGGAAAATCCACTCTAGTCCCTACCTGCATTTCTCAGCCTTGCTTACCTGTTGCCAACATT
GGGCCAACCCGAATTCTTCCCAATCTTTATCTTGGCTGCCAGCGAGATGTCCTCAACAAGGAGCTGATGCA
GCAGAATGGGATTGGTTATGTGTTAAATGCCAGCAATACCTGTCCAAAGCCTGACTTTATCCCCGAGTCTC
ATTTCCTGCGTGTGCCTGTGAATGACAGCTTTTGTGAGAAAATTTTGCCGTGGTTGGACAAATCAGTAGAT
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CACCATCGCTATCGCCTACATCATGAAGAGGATGGACATGTCTTTAGATGAAGCTTACAGATTTGTGAAAG
AAAAAAGACCTACTATATCTCCAAACTTCAATTTTCTGGGCCAACTCCTGGACTATGAGAAGAAGATTAAG
AACCAGACTGGAGCATCAGGGCCAAAGAGCAAACTCAAGCTGCTGCACCTGGAGAAGCCAAATGAACCTGT
CCCTGCTGTCTCAGAGGGTGGACAGAAAAGCGAGACGCCCCTCAGTCCACCCTGTGCCGACTCTGCTACCT
CAGAGGCAGCAGGACAAAGGCCCGTGCATCCCGCCAGCGTGCCCAGCGTGCCCAGCGTGCAGCCGTCGCTG
TTAGAGGACAGCCCGCTGGTACAGGCGCTCAGTGGGCTGCACCTGTCCGCAGACAGGCTGGAAGACAGCAA

Table 6
761/3331

TAAGCTCAAGCGTTCCTTCTCTCTGGATATCAAATCAGTTTCATATTCAGCCAGCATGGCAGCATCCTTAC
ATGGCTTCTCCTCATCAGAAGATGCTTTGGAATACTACAAACCTTCCACTACTCTGGATGGGACCAACAAG
CTATGCCAGTTCTCCCCTGTTCAGGAACTATCGGAGCAGACTCCCGAAACCAGTCCTGATAAGGAGGAAGC
CAGCATCCCCAAGAAGCTGCAGACCGCCAGGCCTTCAGACAGCCAGAGCAAGCGATTGCATTCGGTCAGAA
CCAGCAGCAGTGGCACCGCCCAGAGGTCCCTTTTATCTCCACTGCATCGAAGTGGGAGCGTGGAGGACAAT
TACCACACCAGCTTCCTTTTCGGCCTTTCCACCAGCCAGCAGCACCTCACGAAGTCTGCTGGCCTGGGCCT
TAAGGGCTGGCACTCGGATATCTTGGCCCCCCAGACCTCTACCCCTTCCCTGACCAGCAGCTGGTATTTTG
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TGCAGCCAGCTGCCCACTTGCGGAGACCAAGTCTATTCTGTGCGCAGGCGGCAGAAGCCAAGTGACAGAGC
TGACTCGCGGCGGAGCTGGCATGAAGAGAGCCCCTTTGAAAAGCAGTTTAAACGCAGAAGCTGCCAAATGG
AATTTGGAGAGAGCATCATGTCAGAGAACAGGTCACGGGAAGAGCTGGGGAAAGTGGGCAGTCAGTCTAGC
TTTTCGGGCAGCATGGAAATCATTGAGGTCTCCTGAGAAGAAAGACACTTGTGACTTCTATAGACAATTTT
TTTTTCTTGTTCACAAAAAAATTCCCTGTAAATCTGAAATATATATATGTACATACATATATATTTTTGGA
AAATGGAGCTATGGTGTAAAAGCAACAGGTGGATCAACCCAGTTGTTACTCTCTTAACATCTGCATTTGAG
AGATCAGCTAATACTTCTCTCAACAAAAATGGAAGGGCAGATGCTAGAATCCCCCCTAGACGGAGGAAAAC
CATTTTATTCAGTGAATTACACATCCTCTTGTTCTTAAAAAAGCAAGTGTCTTTGGTGTTGGAGGACAAAA
TCCCCTACCATTTTCACGTTGTGCTACTAAGAGATCTCAAATATTAGTCTTTGTCCGGACCCTTCCATAGT
ACACCTTAGCGCTGAGACTGAGCCAGCTTGGGGGTCAGGTAGGTAGACCCTGTTAGGGACAGAGCCTAGTG
GTAAATCCAAGAGAAATGATCCTATCCAAAGCTGATTCACAAACCCACGCTCACCTGACAGCCGAGGGACA
CGAGCATCACTCTGCTGGACGGACCATTAGGGGCCTTGCCAAGGTCTACCTTAGAGCAAACCCAGTACCTC
AGACAGGAAAGTCGGGGCTTTGACCACTACCATATCTGGTAGCCCATTTTCTAGGCATTGTGAATAGGTAG
GTAGCTAGTCACACTTTTCAGACCAATTCAAACTGTCTATGCACAAAATTCCCGTGGGCCTAGATGGAGAT
AATTTTTTTTTCTTCTCAGCTTTATGAAGAGAAGGGAAACTGTCTAGGATTCAGCTGAACCACCAGGAACC
TGGCAACATCACGATTTAAGCTAAGGTTGGGAGGCTAACGAGTCTACCTCCCTCTTTGTAAATCAAAGAAT
TGTTTAAAATGGGATTGTCAATCCTTTAAATAAAGATGAACTTGGTTTCAAGCCAAATGTGAATTTATTTG
GGTTGGTAGCAGAGCAGCAGCACCTTCAAATTCTCAGCCAAAGCAGATGTTTTTGCCCTTTCTGCTTCACT
GCATGGATACAGTTGGTAAAATGTAATAATATGGCAGAATTTTATAGGAAACTTCCTAGGGAGGTAAATTA
TGGGAAGATTAAGAAAGGTACAAATTGCTGAGGAGAAGCAGGAAACCTGTTTCCTTAGTGGCTTTTATCCC
CTCGGCATGCGATGGGGCTGATGTTTCTATGATTGCCTCAGACTTTCACATTTACTAGTAGGGCTGAGAGA
GGCTTTAGTGAGGAAGGAATATTCAGAATAAAACGGTTGAGAAAGCTGAGAAGACCATTGAGTTTTGATCA
GTTGTGAATAGAGTGCAAAGCCATGGCCAAGCTGTTTTTGGAAACGCTGGCCGGCGTGTCTTCAGTGGAAA
AAGCAAATCAAAATGGAGCGAGAGCAAAGGGGCGTCCTCAGTCCTCAACCTACAATCACTGTATGGAATCG
GTCCTGGCAGCTGAACATAGGAGGTCACTGGAACAAGTGATAGTGCAGATTGGCTTTCAAACATCCTCCTG
GCTTGAGTTTTATCAGCTACAGTGTGGGTCCTCTTTTGAAGCCTTAATTCACAACAGCAGCTTTTTGGGGG
TGGGGCTGGGCGGGTGTTGTCATTGTTCTTTCCCTTCCTGTAAGTGTCGCTAGTTGCTGCCTCGTATCTCA
GGTTTTTCTCTGTTTTTGAGAAATGGACAGTTTTTTGACCAGGATGTGACTTCATGTTTCCTATGGTGACT
TCTAAAACCAGCACAGAATGATATGACTCAACACAGACCGACTTGGTTATGGGGATGATGAGCCGCACAGA
CCTCACTAGTTGTGCACAAATAATGTGCTATGATGGGGTGTAAAGTGAAGGCAGAAGAGGGTCAGCCGCAT
TGTTATGATACTGGGAAAGTGCTGGTCAACGATTTGAGTTAGTTTTTAGATATACATTGAAATCTTTAATC
AGACATTCTCAAGTTTCACACAGTAGTTTTTGATGTTATGTACACACACACCAAATGTGTAACAGTTCACC
ACTTCCAGAGTGTGGTCATGCCCAAAACATGTTTAAGAAAGGAAAGCAGTAGCTCCTTGCTAACGATGTTT
CAGGAGGTTTGGGGCACTTGGTTTTAATGAGCTTCTGTCATTTAGGGCTTCTCTTGGCCATGGTCCCCTTC
CTTCTGGAACTGTGATGTAGTCACATCCTACAGCCTTTAGTGCTGGTTCACTAGTGTCAGATAATCAGTTC
TTGGAATCGAGACTGCCGTGGCGAAGGGGTGGCCTCGGAGGCAGGCTCTGGAGCTGCTTGGATGTCTTTAG
GTGGGGTGGTGGCTGGTCTCTTCAGCATGTAATTGGGGAAACCCTCGCGTCTACTAGGTGATACAGATGGT
GATTCTTCAAGAGCAAATAGACTCATGTGAGATGGTGGAAATGATTGCGTTACAGTTTACGGACAGACTGC
AGTTTTCTGAAATAGGTCTTGAAAAGCACGGTGACGCACGGGGTTCCCTGAGGGCGTGTCGGTAAGGAAAA
ACGGGAAAAAAAAAAAAGGGTTTTGGGAAAAATAGGTCNN
Table1 4395
AGGCGGAGTTTCACCTGACCTTAGGTGATCTGCCCACCTTGGCCTCCCAAAGTGCTGAGATTACA
GGCGTAAGCCACTGCGCCTGGCCTCAAATTCTTTTTAAATTCTTTTTAATGTAAAACAATAGAATTAGGAA
TCCAAAAAAGAATAAAGAAAACTGGACTGACATAACAAAGACAGGAAGAAAACAAACAGAATGCATAATTA
TCAGTATAAAAGATGGCTTAAAATCAAATGTAGCAGTTATTACAAAAGAGAGTCAAATTCCCCTACTAAAA
GGTAAAAACTCTAGAGTTAAAAGACAAAAGCTATTTGAGACAATGTACCTGCCCAAAAGGGTATACCCAGA
CAAACCCAAATTATCTCCTTTGAGCAATAAATCTCATCTGCAAAAAGAGATAACATTCATACCTGAAATGA
TTCCCACTTTAATTAAT
Table1 4397
CGCGTCCGGTTTATCGGTTAAGTAATTTGCTATTATATTGTAAAATAGTACATTTGAGGCTCACT
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AGGAAATTAATAGACTTTTTATGGGCCATTAACTAATAATACACTCAAAAAAAAGGTACAGTTAAATAAAG
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TGAGAGTTGGCAATTCATTCTGAACTAACCACTAATATCATTAAGAATTAGTGCTGAGTTGGTAGCAGGAA
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Table 6
762/3331

GAAGAAATGGCACAGTGTTCTTAGAATGACAGATAGTCCTATGGGGACTGCAGCATAAAAGTGAAAAATGT
ATAAGATAAACCTTTAGATGGTAAGCAAGGCAAGATTCTCAAATTCTGTATGAATCAGCTCCACCTCCGCC
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AGCTGCAAAGGCCATATTTAATCAGTCACAGGAGTCTAATGCTACAAAGTAGTTTTTTAAAAAGATGACTA
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GCTGTGCAGTTCTGTGTCTAGTTAATAGTATGGAAGTTCACATTATCAAGTTTCTATCCAAAGCTTCAAAG
AAGCAAATAATATTTTGAAAGACTATGTGATAAAAGGATCAATTTTTAGAAAGTTTCATGATCTGTCATGG
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CTTACT

Table1 4399

NNGCGTCCGTACAGGTTCAGAGAACAATAGAGGATTCCTGCAATCTTTTAATGCCTTGATTTTGA
AAATGGTTTTACAGAATTCATCTCCCAAAGTAAATATCAGTATATAGAGCCTGTTCAACCCTTCAGTTAGC
ATTTCCTGCCAAGAATGTAGGTTAAAGCAATAAGGTTAATTGCATCAATCTTTGTTTTTGGCTTCTTTAGA
GTGAAGAAAGGACATGAATTCAGCTTTTTATTGAATTCCTAATATATGCTAGGCATGGTGCTTCTTTGCTT
CCACCACATCTTCTTGTTTGATCCTTATAGCAACCTTGTAGGAAATTTGGATGCCAGAGATTTTAAGTGAC
TTCTGCGTTACACAGTTACTAAGTTGCAAAGCTAGGAGTTCTCTGGGACAGGCAAATCTGGAGGAGAGCCA
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CGCAGTTCTGACCTTTCCTTTGTTTGCAGGTATGCTTCAGAAGTGTCCTTCTGTTGATGACTTCGTAAGTG
CCCTCGTTTCCGACTTGGATCTGGACTTCGAAACTTTCCTCATGGATTCTGAATAAAAGAAACACTCTACA
CCTCTTAAATCAAGGTCATGTAGATAATGACTTTGTTATAAATGCTACAGCTGTGAGAGCTTGTTTCTGAT
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NN

Table1 4400

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TGGGTCGACCCTGCCCTAGGGGTGACTGCAGGAGAGCAGGGAGGATGGTCAGGCGTCACCAACAACCCCAT
CACCCAGTAACAAGAACCTTGACTCTCTCAGTCCCTCTGCATCAAGACACTTACCCATTTCCCACCTCATG
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accgggacaggggtcccacaaaccgggcaa

Table1 4402

NNNNNCCGCCCGGGCAGGTACCCCAGCTGATGATGTTCCACAAAAGAGCAAAACATACACAATCT

Table 6
763/3331

GGTTCCACTCTACAGAAATCCTGGAACTGGACTACAAAGGGAATAGACAGGGTGTGGCAGGAGGGGGTTCC
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GGGCAGATGTGTCAATATATTTCCAAGTTTAGCATAATATAGGTATAAAAATTAAATAAAAAGTTTATATG
TGTGTGTATATATGGGTTAATACACAACACATACCTCCTAGAGTCATTACCTGAGAGGTTCTACAAGAAAA
GACAGCAAATTAACAAAAAATACACCCAGAATCAAGATTTGAGTTTTGGTTCCTTTCATAGCAGAATGGTA
TGCAACATTTCTTGGAAAAATGGCTAATCCTAGGGCTTGGAAAGAGAATATAGGAGTAAAGTCTACAATTT
CTCATGGTACANN

Table1 4403

ACGCGGGGGCTCAGTTTGGGCTTGGATGGCCGCGTTTATTTTCCTTGGCAGAGAAGCTGATCGTC
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TGATTTTTCAGATACTCTGAGTCCAAGCAAGGAAAAAAGCAGTGACGACACTACAGACGCCCAAATGGATG
AGCAAGACCTAAATGAGCCTCTTGCCAAAGTGTCCCTTTTAAAAGATGACTTGCAGGGTGCACAGTCAGAA
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Table1 4404

ACGCGGGGATATGAGGGGTTCCGTGACTGAGGTTCTGAGCTGCTGTTGATGTGCTATACCTCCTT
CAATTCTCAGCTCTCAAAGGGGAAAACAACTGCAGAGGATGGGAAATGCTATACTGCCATGCCTGGAAACA
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GAAAAATTAATCAACAGAGTGGGACCTAATGGTGAGAGAGCACAGACTGTGACTTCTGACCAAGAGAAACG
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AGAAAGAAGCTGAGGAGGCCCCTTACATGGAGGACTGGGAAGGTTACCCTGAAGAGACTTACCCAATTTAT
GACCTTTCAGACTGTATCAAGCGTAGGCAAGACACAATCTTGGTGGATTACCCTGANNN

Table1 4405

TTGACTATGAGAATTATAACCCAAATTGCAAGGGGAGGAACTGTCCCTGAAATCCTGTTTAGAAA
GCCATAAACAAGGAAACACCTGTTTGTATACAGTTTGAAGGGTGGTATAGCTAGACTGGCAATAGATTCTT
GTGAACAAGTTAGTAGGGCAATAGTTTTGTTTCTTTAAAGGATTAACATTTAGGTAATAATGCGTACGTGA
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AATATAAAAGTTTTGCGTTATGTTAAATAAACTATTTTTTTCTTTATTCTTTTCTTTTAGCTTTATCTTCA
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GGAGCTCTGGTTGCAATATTAGTTGTAAGTATACAGGTCAACAGCCTACATCTTGATATTGCTAAACATTT
AGATAAGTAAATAGAAAAAAAAAAAATCCAAAAAATCCCCAGCTGAGGAGAAGACTATGCAGTGGGCAAGA
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AGTATTTTTGTAAAATCTTAGTATTTTTATTGTGAAAGGCTCTGGCTAGAAATAGTTTTTTTTAGGGGATTA
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GTAATCAAACAGGTGGTCAATAATTTAAAATCTCACATTCCTTTAGCTGACTCTACAAGTAGAGGCTGGCA
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TCCACACCTCCAGTCACTGCAGAGTTGAGAAGCTGGGGCTGGNACNNN

Table1 4406

NCTTCAATACCCTGTATTATCTGGGAACAACAACCCCTTTCCCTGTACTGGCATCAACAAGATAA
GGTTTCCATGGAGCTGCCATAATTTTTCTATAACGCTGCCCCTAGGCCAGAATTGGTTGGTCTACAGGTAG
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CTTAACTCAAGCTAGGCCAATCATAGTCATTTCTCAACTAGATCCTGCCCCACTGGTCATAGCTAATTGGT
GCAGGACTGGAACTGGATGCAAGCTGACTCTCTGGATTGAGAACTAGAGGTCAGACCATTCCCTGTCCCAT
GTCTGAAACTGAAATATGCAGCACTGGAAAACTGCTCATGCTCATGGCCATGGGATCAGCCTTCCCCTTAG
CCTTCAGAAGGGCCTTGGGAGTTGGAGGCAACANN

Table1 4410

NACTACCTGTATTGTTGGGTATGACTATCAAAGGATTTCCGGTGATTCATGTTTGTGAATTGGAG
TTTAAATGTTTGCAGGATTACTGTACTTCCATAGACCCACTAGAATGTCAGCTGTACTCTGTACTCTCCAC
TGAGAAAATGAACAAAATCCTATGTCTTAACAGTTATGCTCTAACTTTTTGAAAGCTTTTTGATGTAAATA
ATAGGTTAGAAACTAAAAGCCTTTTAATCTTACAAAATACAATTTGAACGATGGAAGGTTGTTCAGATACT
GGCTTTCTGTAAAAACATCATTGTGTTAGATTGTTTGTAATGTACTATCAATAAAATTGGCTGCTTGGGCG

Table 6
764/3331

GTTTTAGTTACCACCTTAGCCTGGTTTTCTGCTACTGTTATTTATCATCGTAGGTTCTGAGTTGCTCATTG
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TCAGGAGTTCGAGACCAGCCTGACCAACATGGTGAAACTAAAAATTCAAAAATTAGCTGGGC
Table1 4412
GGACGCACGCTTCCCGCCATTTTGTTCAGCTTGCCGGGCAACCGGCCCCTGCTGGGGACTACAAG
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GGGCCAAGGGCTCCGGCTGCTGCCTGGCGGCCAACGGGCCAGGTAGGATTTCCGGGAGAGGCTGCTGTGGA
GGCTGAGGAGGCGGCGGCGGAGATCTGGAAACAGTATCTCACCTCCCTAAACTGGTTAATAGTGGCATGGA
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ccAGACCggtaAATCcagaTGCAgttGaCTTCTccAGAGAACCTtggAaCaAGGAAGCAGACCAGCCCACT
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TACCACCCCCATAGGGAATGCCAGATCATCTAGTCCAGTCCAAGTAGAGGAAGAGCCAGTAAGATTAGCAA
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GAAGCAGAGTCTGTTCCTGAGAATGTACCCAAACCACCTTTACTTCCTCCCAAAAGACCCTTGTCCTCTTC
TCATGAAGCAAGTGAAGGGCAAGCAAAGGATGCCACTTCCTCTGGCGGCACGGCAAGGTTCATCATCTCCA
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ACCCCTTCCCCAGCACCCAGGACTCTGCCTGCTGCTCCTGCCAGCACTAACACTACTGCTACCCCAAGCCT
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Table 6
765/3331

actaagatggcgtcccgatttagaactcccggaaaaaaaatgcgttggaattagtccggcaattaatttaa
tttgaattatccccttaaaaaaaaaggggggtaaaacacaggcacttagacaca
Table1 4413
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
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CAGCCTGGGCAACATGGTGAAACCTTGTCTCTACATAAAATACAAAAACTTAGATGGGCATGGTGCTGTGT
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AGCCAAGAGTGCACTACTGTACTCCAGCCAGGGCAAGAGAGCGAGACCCTGTCTCAATAAATAAATAAATA
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acaaagagcagatacgagacagggaacgagtagcagcggcgccacaacggacagaagcggcagagagcgaa
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gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa
Table1 4415
agccagctgttcttggaggtcctgcccctgggacttgtccgGCtCatcCAGAGTGAggAgggcct
ggaGATGCTcattcAATGAGcgggaggCATCTCTccCTTCcCGTAACttCTCCTTTAACTGCGtcAGCTCT
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Table 6
766/3331

CTCCTCCTTGAACTGTCGCTCATTCCTCAGCATAAATCTTATGAGGTCTTTACACTCTTCATACTTGTATT
TCTTCTGTCGGTTGGCCAGGAAGCCGGCCAGTTGAGTTAGAAAACATCTCTTTGAGGTTTACGAACTGCTG
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ACCAAGGGCCGGCTGATACcccCATGCTGACGTTTGTGGCAGAAGAGGTGGAGTCAGGGACTGGGGAGAAG
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GACTAGGGTGCCTGTGTTTCAGCAAAGCCTGGGCAATTGGAATGCAGGGCTCCTAAGATTCCATGACACCC
CTACCTTCTAATTCTGTTATTGCAACTGCAGACGGTTACCTGGCACGCTGGCCACAATCTACCTCACTCTT
ATCAGAGTCTGAGCAGTGCTTTCAGCTCTGAGTTGAGGCACCTCGAACCTTGTTTTTGTGGTGAAGGATCC
TAAAGTGCTGTGGgGAGTGATCACATTTTTCACAACATTAAGTTAAGAattTCAGTTACTGACAtccctCa
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CTGACTCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTGGTCCAGCGAGAAGGCA
GAGATGAACATTCTAGAAATCAACGAGAAATTGCGCCCCCAGTTGGCAGAGAACaaACAgcagttcgTaaA
ccTcaaaGAGATGTTttttaactcaactggccggcttcctggccaacCgacAGAAGAAATACAGCAATATA
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CCTCCAAGAACAGCTGGCTGAGGGGTGTAGACTGGCACAGCACCTTGTCCAAAAGCTCAGCCCAGGGAGGT
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CCCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTTGTCCAGCGAGAAGGCAGAGA
TGAACATTCTAGAAATCAATGAGAAATTGCACCCCCAGCTGGCAGAGAAGAAACAGCAGTTCAGAAACCTC
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AGGGAGAAGTTACGGGAAGGGAGAGATGCCTCCCGCTCATTGAATCAGCATCTCCAGGCCCTCCTCACTCC
GGATAAGCCAGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAGACTGGCACAGC
AACTTTTCCAGAAGCTCAGCCCAGAAAATGACGAAGATGAGGATGAAGATGTTCAAGTTGAGGAGGCTGAG
AAAGT

Table1 4416

CGAAGCACCTGACATGAGGGCGGGGACCCCGAAATGCACACGAAGTCCGGAACTGGTCTTCTGTG
ATTTTCATTCGCCCTGGTCTCTGTTCCCTTTCGTACTCAAAGCTCGTGCATCCAGGGAGGGGAAACCGGAG
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AGTGGATTCTTGGTCATACTGGTACCCAATACGCTCCTTGGGAACTGGTCACAGTCTGGGCTACTCCAGCA
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GGGACGCGGCGCCTACCATGTCACCGGCCATCGCAGCCGGGCTGGAAGGACGGGGCACAAACACCACGGAC
ACACGCGCGGGGGGCCACAACACACAAACCGGCGGTATAAACACCTCACACAACACCCAGCGCACACACAC
AGTCCTGTCCN

Table1 4418

NNNNACGCTGCGCCTGTCCAGACGCCTCTTTCGGGTCTTACCAGCGTGCCTGTGCTTGCCTTGAC
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GCACTTAAAGCGTGTTGCAGCGCCGAAGCATTGGATGCTTGACAAACTAACGGGTGTATTTGCACCTCGTC
CATCGACAGGTCCCCACAAGCTGAGGGAATGTCTTCCTCTGATCGTCTTCCTCAGGAATAGACTCAAGTAT
GCGTTGACTGGAGATGAGGTAAAGAAGATATGTATGCAACGTTTCATCAAAATTGATGGCAAGGTTCGAGT
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TCTATGACACCAAGGGCCGTTTTGCTGTTCACCGCATCACAGTGGAAGAGGCAAAGTACAAGTTGTGCAAA
GTGAGGAAGATTACTGTGGGAGTGAAGGGAATCCCTCACCTGGTGACTCATGATGCTCGAACCATCCGCTA
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GAGGCTTTCCAACATTTTTGTCATTGGCAATGGCAATAAACCTTGGATTTCCCTGCCCAGGGGAAAGGGCA
TTCGACTTACTGTTGCTGAAGAGAGAGATAAGAGGCTGGCCACCAAACAGAGCAGTGGCTAAATTGCAGTA
GCAGCATATCTTTTTTTCTTTGCACAAATAAACAGTGAATTCTCAGGAGCAACACGAAGACCCCCCCAGAA
CCGGGAACATCGGGGCGGAAGAAGAGTAAGAGGCGGTCCACGTGCCGACCATCTTTTAAGGGAACACGGCC
CCAGGAGCGAATCGAGACGCCGACAGATCGGAN

Table1 4420

NNAGCTTCACCGCGGAGGCGGCCGAGGTACTATTTTTAAGAAAACACTGTTGGCATCTAATATAT

Table 6
767/3331

AGAAATGTATACATTTTGAAAGTGTAATGTTTGGCTTTGAAACTCTTCTCCCAGTTATTGAGTAGCACCAA
TTCAGAAGCACCCATCAGGAGTATAAGGAATTTTTCTAGACTTAATGTATTTATTTGCTTTAACAACANNN
Table1 4421
NNGCGTCCGGCCGCCCCAGCCCGCCCAGACATGACCCAGGCAGGCCGGCGGGGTCCTGGCACACC
CGAGCCGCGTCCGCGAACACAGCCCATGGCCTCCCCGCGCCTAGGGACCTTCTGCTGCCCCACGCGGGACG
CAGCCACGCAGCTCGTGCTGAGCTTCCAGCCGCGGGCCTTCCACGCGCTCTGCCTGGGCAGCGGCGGGCTC
CGCTTGGCGCTGGGCCTTCTGCAGCTGCTGCCCGGCCGCCGGCCCGCGGGCCCCGGGTCCCCCGCGACGTC
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ACATCATGGCGTGGGGCCTGGCCACCCTGCTCTGTGTGGAGGGAGCCGCCATGCTCTACTACCCTTCCGTG
TCCAGGTGTGAGCGGGGCCTGGACCACGCCATCCCCCACTATGTCACCATGTACCTGCCCCTGCTGCTGGT
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GACCCTGCTCTCCCAACCCATGGAGACCTATGAAGGGGATGTGCTGGGGGTCCAGACCCCATATTCCTCAG
ACTCAACAATTCTTGTTCTTTAGAACTGTGTTCTCACCTTCCCAACACTGCACTGCCGAAGTGTAGCGGCC
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GGAAGTTTTCTGAGGCTGGCTGTAAAGTAAGTGTAAGGTCCACATCCTTGGGGAAGTAGTTAAATAAAATA
GTTATGACTGAGCTCTCAGCCTGACTTGGATTCTGTCTTAACACTTCTAGCAAAAGAAAATAAATATATGT
Table1 4422
NATTCTCCTGTGAAATTTTCTCCCAGTGGCGCCCATCTCCGGGGGGGCCTCTTTGTCTCTTCTCC
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GCGAGGTGAAGACTCCACCATGGCGGGATTGTCCATAGCCATAGCGCCTTGCCCGGTTATCATCACGGCCA
GCTCCAGACATCTTGTCTAGCCATATAGAATGGCAAGATATGAGCGGCAGAAGGCACTGCTTTGATGAAGA
CAGGAAGGGTGCCATCAGTGCAGCCCCCCGCACCACAGCAGCCACACCCATTTTTGTGGACACGAGGCAAC
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TGTGGATTCCATGCCAGATAAGGAGTGGATGGCAAACATCTGTAGCAGACAAGCATCAAACTGGATGGTAG
TGGAATTGAACCAGAAGATGGCCAGCATTTTGGGCATGGATGAGGTGGAGATGAGGATGTCAATGCCTGAA
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CTGAACTGTGACCAGCACCAGGCAGGTAGAGGCTCAACCGTATGGAAGGAATGTGTGACCCCCTTTGTCCA
GTCNNNN
Table1 4424
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GTGTTTGTGAAACAGAGAAAGATAGGCGGCCATGGTCCAACCTTGAAGGCTTATCAGGAGGGCAGACTTCA
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aGgagACAgttaaGCATGATTgggaCaGAATGATAGAAGC
Table1 4426
AGGGAGTCGACCCACGCGTCCGTGATGGGGGCTCTGTAGCACATTTGTGGCAGGGTTCTTTTCAC
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AGTACTTCTTAGGTTTTTTTAAGATCCTCACTGGACTAAATGGAAGAGAATTCTAAATTCTCAACGTGTTC
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CCTTGACTTTCAGAAAGTTTGGGTTATTCTATGCATAATTTTTTTAAAAAACCATTTGGTTTAAAATAATT
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TTTGAGAGTAAGTTGCGGACCTGTTGCCCCTTTATTCCTA
Table1 4427
ACCGCGGTGGCGGCCGCTTTTTTTTTTTTTTTTTATATTTTTAGTAGAGACAGGGTTTCACCGTGT
TAGCCAGGATGGTCTCGATCTCCTGACCTCTTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACA
GGCGTGAGCCACCCATCCGGCCTAACGAGACTTATTTTTACTCAACTAGATGGCGTTCATTCATTTGCTTA
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AACTCACAGCCTAGTATGAGAGATAAACAAATGAACATGAAATTATAATTCAGTAACAAAGAATGAGTGTT
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GGCATCCGAACAGAGGGGACAGCTGAGCTGAGTTCAATGAGCCAGTAGGAATTAGGTTGATATAAGTCAAA
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GAGTTATCCAACATCATCCAGAAGTGTGGGGACCCCACAATATCCAAGGGAACCTGGCCCCAAAACTCATG
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TCCTTCTTTTTTTCACGCAGCAACTTGTCTCTTTCCATGGAAATGCCTGTTCTTCATTGAAATTAAGTCCA
TCTGGCATGATCTCCCTTGACTTCTTTCCTCTCTTTTTGAACATGTGTTGATCCTCAGCCCAGCAGATTGT
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AGAAAAATGCAACAACATAATGGAGAAACACACAGAAAGAAAATCAGAAACAGAACCCCAAGGCATAAAAA
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Table1 4430

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TTGAGTATTTTTCTTTTCAATGCCCGCGTACCATTCTTCTTGGATCCTTCCTGGCACTGTGCTAACTGCT
TTCTACAAATTTAGCTTACATAAACCCTTGATACACCCTTGAGGTGAGTAGGTATTATCTATAGTTTACAT
AAGATGAAATAGAGCCTCCCAGCAGTTAAGTAACTTGTGTGAAGATGGGACCCTTGTTCCTGATGGTTCTA
GAACCTTCATCCTTAATGATAATGCTAAAGTAAGT

Table1 4432

NACTCATGGCCTGATTGAGGGTGGGTGGCTGGACCCACTGTCCCTTTGCACACAGAGCAGATACT
TCTAAGCCATATCGACTGCAGGGCCGAGGAATCGCGCGCGCTGACTCAGGAGGTGAGGACTGGAAACAGGG
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AGTGCTGGGATTACAGGTGTGAGACACCGCGCCCAGCCCGCAGCTTCAAATATTTTGTTTGTAGTTCTCTT
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TCTGGTATGTCATTTGTCTTTTGACCTTGGTGTTTTGTTATGGATTTTTTTTTTTCTCAGACTTATCTTTT
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CCAGGCATGGTAGCTCANN

Table1 4435

AAATTATTCTTATTAAGGATGTGTTAAGGGGGAGGTATAAAGCAACATCAAAGTTTTCCCAAATG
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AGCTTGTCTGTGATATCCAGAGGGAATGTTTTAATTGACTTAATTTTCATTTTCTAGCTCTCGTCTATGTC
CACAACTGGGAAGTTAACAGTGTTCAGGGACCTAATCAAGTGAGTGTGGGAGTGTAATCTAAACTTAAACG
CCTCCAGGGGCCCCCGCGTACCTGCCCGGGCG

Table1 4437

gcGTCCgcaaCGGGGaatgcgagtctgGTCCCTCGCGCTCCCCGCCCCACGCGCGTGACCAGAGC
GCGCTGGCCCGGCCCACCCGGGGCGGTTGTGGTCGCTATATATAAGGTGGGGAGGCCGCCGGCCCGTTCGG
TTCCGGGCGTTACCATCGTCCGTGCGCACCGCCCGGCGTCCAGATTTGGCAATTCTTCGCTGAAGTCATCA
TGAGCTTTTTCCAACTCCTGATGAAAAGGAAGGAACTCATTCCCTTGGTGGTGTTCATGACTGTGGCGGCG
GGTGGAGCCTCATCTTTCGCTGTGTATTCTCTTTGGAAAACCGATGTGATCCTTGATCGAAAAAAAAAATC
CAGAACCTTGGGAAACTGTGGACCCTACTGTACCTCAAAAGCTTATAACAATCAACCAACAATGGAAACCC
ATTGAAGAGTTGCAAAATGTCCAAAGGGTGACCAAATGACGAGCCCTCGCCTCTTTCTTCTGAAGAGTACT
CTATAAATCTAGTGGAAACATTTCTGCACAAACTAGATTCTGGACACCAGTGTGCGGAAATGCTTCTGCTA
CATTTTTAGGGTTTGTCTACATTTTTTGGGCTCTGGATAAGGAATTAAAGGAGTGCAGCAATAACTGCACT
GTCTAAAAGTTTGTGCTTATTTTCTTGTAAATTTGAATATTGCATATTGAAATTTTTGTTTATGATCTATG
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TTCTCAaagattaggtatatatttaaatggaagagaaaatatttttatgggagaaaaatacatttgaacca
tgaaatttcatcttttaaataacatccagtacagatatctgtg

Table1 4438

NNNNNNNNNNNNNCGAGGTACTTCTAGAATTAATTAACCTAAGCGATGAAATCCAAAGGTGAATC
TTTTGGTTGGTGATTTTGATGATAGCCACAAAGCAAGCAGGCTGTATGGTAGCCTTGAAAACCAACAGGCC
ACAATCACAGTGAAAACCTCAGGTTGGCAGCCACTGGAGGATACAAAATGAGTTTGGATCTCCTTCAATGC
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CTCACTGCAGCCTCAACTTCTTGTCCTCAAGTGATCCTCCCACCTTAGCCTCCTAAGTAGCTGGGACCACA
GTAGAGACGGGGTTTCACCATGTTGGCCAGTCTGCTTTCCTCCTAACCTCAAGTGAGCCGCCTGCCTCGAA
GATGCTTTATTTATAAGCGCTTTGGACACACTTTAATAAATGCTCTATTGTATACAGTTGAACTCTATATA
ACATTTTGAATAATATTGTTAATGCTTACCCTAAGT

Table 6
769/3331

Table1 4439
GGTTGGGGTATGATTTTGATCTGGGCACTAACGGGGACACTGATTGCTTTTGCCAGTAAGTCAAG
ACCAGCAGATAAAAAATAATTTTTAAAAACCTCGTGAGACTGATTTGCCGCATGACCGGGAGGAGGAAGAA
GCAAGCGTGGAAGGTGCTAACGGAGGAACCTAAACCTCCATCCTCTTTCCCTGGGAGGTTAAGAACTACAG
GGAGAGGCGAGAGAGACTATGACCGCCCTACGGCTAGAGTAGCCACGAAGAGAACACTTCCGGGGCGGGGC
TATCTGGCCCTTTCCTTTCCGCGTGTAGAATGTGGGGCGCCTGTAAAGTTAAGGTTCACGATTCCTTGGCC
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GAGGGACTTCGAGGCTGACGACACCTGCCTGGCACACTGCTGGGTGGTAGTGCGGCTGGACGGCCGGAATT
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TATAATAATGAGCCGCCGATGTATAGGAAAGGGACTGTGTTGATATGGCAGAAGGTGGATGAAGTGATGAC
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TAGGTGGCTGTAGCATCCCTACCACCCAGGACACTGGTGCGAATGACACAACTCAAGTTGGGAGGGGAACA
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ATGCCCNNNNNNNNNNNNNNNNNNNN

Table1 4440
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GACAGGCACCAGCAAACACCACTTCACCATGCAGCTATTTTCATGTCCTCCCAGCCCACTGAAGTGCTGAT
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GCAGGGTGGCCGCAGGTTTAAACTTACACGAATCGCTTTCTGGAGGAGGAGGGGACCCGCTGCGCGATTGA
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GTGAAATCTGAGAAGAAATCCTTGGATCTCTTTTCCAAAAAAAAAAAAAAAAACAAAAAAAAATTTGGGGGG
CCCGGGGCAAAAAATTTTAAACCATTTGTTGGGGGGGGGGCCCCTATGCTCAGTACAACTGGGCAAAGCGG
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Table1 4442
NNCGCTTTCCAATACTCGGGACTGGGGAACCCGGGAGAATAGAAGCAGGCAAGGACCGCCGTGGG
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CGCGCCATTCCCCAAGTGAGTTCTGTTCTCCAACCAAAGTGCTGGATTCCAAGGGACTGGAAGGGAAAGTC
CCTAAAAATCACGAGTTCAGGCGTCTGAGACTTGGTGGGAACGGACCCTCCTCTTAGTGCCCAAGCCTGTT
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AGGATAAAATACTCTAAGTGACAAATGTTGAGTACATTATCAGCTGGAGCTCTGGAGCCTTTGCTTCCTCA
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CCCAGCCAGTTGATGAATTAGAAGGCAGATACTTTCAGGTTGAGGTTGAGAAAAGAATGGTCCCCAGTGCA
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CCCCAGTTTGAAAAGAGAAAGTGAAAAAATCATTGAAAACTTCAAGAAAAAAATGAAAGTAAAAAATGGGG
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Table 6
770/3331

AAACTTCTTGTACGTCTCAGTGACTCAGTTGGGTACTTATTCTGGGACAGTGCAACTACGGGTTACGCCAC
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CCTGAAACTGAAGGAAAATGGACAACAAGTACCTATGGAACTATATAATGGAATTACTCCTGTGCCACTTA
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CTGCTAGAAACATTGCTTCTGTTTGTAAGTTCCTATTAAATGTTTCTTTCTGAGAAAAAAAAAAAAAAAAA
AACCTCGTGCCGAATTCTTGGCCTCGANNNNNNNNN
Table1 4443
NNNNNNGGGCCTTTGCAATCTCCACGTTGCGATGGATCCTTGGACCCACTTTTGTTAACTCTTAA
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CGGGGGCCCAAGGCGCCGTGACCAAAGGGGAGCGCGCGAN
Table1 4444
AGGCATGTGTGTGTTAGAATCAAACAGGTCAGAATTGGAGTGGGAGCTCCTCAATATGGTCTTTG
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TCTCTGAACTTCACATCAGTCATATGAGGTGGGTAATATCATTATCTACATTTTACAAGTATGGAAACTGG
GGATTACTGAGGTTATTTGCCCAAGGTAACACAGATGGTAGATTCTGGAGCCAGAGTTGGAAACTGGGTAG
TTTGCTCCAGACCCAATGATCTAGCATCCTAGATGTGGTCCATTAGGGCTCTCTCTTTTCATCCGTTTGTA
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Table1 4445
NNGAATATTGAAAATATAACATTAACTAATTTATAAAAAATATTCTATGTAATGCAAAATACTTG
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Table 6
771/3331

AGCATTAAGAATATACAATATGCCGGAATTGGGGTTCGTGCCTCCTAGCCTAGGAAACTTAAAAGAAATAT
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CCATGTAAACATGCTCATGAAGTTGAAAGTAATTAAGATTTGATACACTGATATCAATTTATTTATGTAAC
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Table1 4451
TTTCCAGGGAGTAAAAAGGCCTTTTGGGTGGCACATAAATCTACTGCGGTGCTGCCTGCTGTGGC
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ACCGCCATGCCTCAAGATCGCCCTGTTTTCTGGCTTCATCAATGACTGCATGCAGTGCACCACCCTGTCCA
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Table1 4452
ACTAAAGATATACAATAAAAGGGAAGAAGATTTTCCTAGTTTAAGAGAGTATAATGATTTTCTGG
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GCTCTGCTCCTGGCGCAGCATAAAGACAGATC
Table1 4453
NNNNNNNNNNCATGAACTATGAAAGCTCAAGGGTCATGGCTATTGGCCCCCAGAAAATCCTGATA
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Table 6
772/3331

TTTTTGTGGGAACCAGTAAAATGTTCCCTTGGTGCCCTATCAAACAGATCCTTTGTTGAATCTGTCACTAT
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Table1 4454
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Table1 4456
CCCACGCGTCCGAGCCGGCGGGACAGGCTGGCCAGCTGGGGCGGCCCGGAGTCTGAGCCTAGAGC
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Table1 4460
NNNNNNNNNNATGGTTTTCTGTGCCATTCAAGTACATGTTCCCGTTTTTTTTTTTTTTTCTTTT
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Table1 4461
NNCGCTTCTCGGCCTTTTGGCTAAGATCAAGTGTAGTATCTGTTCTTATCAGTTTAATATCTGAT
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Table 6
773/3331

AGCCAAGACAGTTTAGCATGGAGCTATTCCTTGGTGCAGTTCAGGATATGAACACAGGTACAGTCATTCTT
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GCCCTGTTAGTAGGAATGTGGCTATGGCTGGTGCCTCTTCTAGTCACAAGTTTGTTTTTGGAGGGGGTCCA
GAAGATCATTCCCTTGCATAGATTTCTCTTTTACCAATTTGAGTGCCTCCTACATGGGCAGCAGTGGACTA
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ACCTGTGGCAGACCATTATAATAAAGCATGGCCCCGTGAGGGTTTTGAAAGANNNNNNNNNNNNNNNNNN
NNNNNNNN
Table1 4464
TTTTTTTTTTTTTTTTGCCTTATAGAGTTAGGTCAATTTCCAAAAGTGCTGGAGTTTATGCCAAG
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TTTTCATGTAAACTCCTTTGCCTGACCATGCCCTAATTTTTGTGATTAGGAAAATCTGGCTCTTATCCCAC
TGGAGGAAAAGTGTCTAGTTCATATTCTAATGGAAATCATCACTTGGGAGGTGTTTTGACAAACATCTCTC
AGTTTTGTTTAAAAATTATGTTAGAAATTAAGAAAAATAACGAATGGAAAACAAAATCTAATTTTTGGTAT
ATTTTCCTGCTAACATTTGTGGGCAAATTAGTTAAATTATGATTGTTTCATGCATACTTACTCCTCCAACA
GCATCCTAGCTCTCTTAGGAGTTCCTTTTAATTATCCTAAAAACAGTTAAGAGTATACTGAGCCAAAATAT
AATTAGGTTGAGAAACAATGAACTCCTAAATGACCAATCAAGTTTTTTCNCAACACCCGCGTTAATTAATT
CTAGAAGACTTCCGANNNNNNNNNN
Table1 4465
NCCGCTGTCGCTTTGTTACACTGCCGGGGATTTCCGTGTGGCCCGCCCCCCAGTGGATCGGTGCC
CCCCCGCCCATTGTTACTTACCCGTTAGGGGCCATTTACTCCCGGGGAGAGGTCTGATTCAATGGTGAGCA
AATTGTTGTGTCCCAGCGGGCCCATTGGCCCATCTCGAGTCACGCAACGTGGCCTCCTGGGTTCAAGCCAT
CTCCGCTCAGTCTCCCAAGTACCTGGATCCACAGGCACCCCCGACACACTCAGCCTGATTTTTTTATCTTT
AGTAGAGACGGGGTTCACCATGTTGCCACGCTGGTCTCGAACTCCTGACCTCAGGTGATCTGCCCGCCTCG
GCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGTGCCTGGCGGAACTAAGATTAAAGCAAAGACCA
CGATCAATTACTTAACAAGAACACCACATTTTGATGCTCTCTGTAGGGTCATTTTTTTTTTGTCAGGAAAAT
ATCTGATCTGATTCTTCCCAGCTTGCTTCCCCTACAACTTAATAAGCCCTTCACTAACCCCTGTATGTATT
AACTGCAATTGCCTAGCCCGGCATTTACACTCTCAAAAGATTTAACGCAATTACAATCAAAAAACACTTGT
CATATATAACACTTTTTCACATGGAAATAAATTGGTGGTTTAAGGTTTACAATTCCTTTGAATAAAATTTC
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GATACAGGGTCTCTCACTATTTTGCCCAGGTTGGACTGCTGGGCTCAATGGATCCTCCCCGCCTCAGCCTC
CTGAGTGGCTGGGATTACAGGCATGCACCACGCCCAGTGCTACAATTTTTTTTTTTAAAAAAGCCCGGAAAC
ACAATGGGCTTGCATCGTGTTGGCAGCAGGTGCCTCTCAGCTGGTGCTGGACAGAAGGGGCTTGCAGTATT
TGCACTGAATCCAAACCCGGTACATTGTCAGTTGCTTTCCTCGGTTCACCTGCAGTCGGCGATCCACCAGG
TTCTGAACTTTTTCCAGTCCAGCAGTGGTGAAAAGCGTGTCCAGTTCCTCTTGTGTGAAGAAGTAAACTCT
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CATAGCGGCCGTAATCTCGCAGAAGCATCATCCCGCCAGGTTTCAGAAGCCTGCTCAGCCTGTTGATAGCC
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AATTTGTCTGGACCAGTTCTATAGCTGTGGAAGAAAAATCACAGCAATAAACAAAGAGTCCTGGGTCATTG
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GTGTCTGTGTTTTATGTTCAAGGCTCTTCGAAGAACACTTGTGCTGTTCTTCCATTATTAAACCAGGTCCA
TCCTCATTGTTTCTACATTCACATACTTCACTCTTGTTCTCCAAGAACCAATCCTTCAAATGATTTTGATT
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Table1 4468

NNAGAGTGAACTGNACCTGTGCATTTGTAGACGTAAAGGGCGTTGTATAAAACTCAGGGTCTCAT
TATTAAAATAAATATGTAAATTTAGTATACACTCTGGTATAACTCAAAAAACTAAGGTAGATCTCAAAAGA
TGTGTGACATTCAGCATTATACTGTAAATCAATAATATAGATATTGTACATAGCACCATTATTACAATAGC
CAAAAGCAACCCAAGTGTCCACTAAAAAAGGAAGGAAATTCTGACATATGCTACAACATAGACGCATCTCG
AGGACACTGTGCTCAGAGAAATAAGCCAGTCACAGACAGACAAATACTTCATGATTTAACTGATATGAAGT
GCTTGGAATAGTCAAACTCACAGAAACAGAAAGTAGAATGGGGTTGCTGAGGCTGGAGGGAATGGAATGTT
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GGCGACATACTTAACACTACTGAATGTATACTTAAAAATGATTCAGATAGTCAACTTCTATTATATGTATT
TCACCACAAAAATTTCTTAAAGTAGCAAGAAATAAATAAAATTGTAAAAACCTGATGTTAGTGGCTATGTA
GGGAAATGGATATCATATACTCACAACAGGAAGTGTAGCTTTCTGGAGTCATTTGAGTCTGTGAAGAGAGT
TATAAAACCATAAGTGCTCACTGCCGAGGCAATGCCACTCCAGGGGATACATGTGTACACTAAATTTACAG
AGATGCTCACAGCTGCACGATTTAAAGTAGTCAAAACAGTTTAACAGCTCAAGAGATGGGCTACATATCCT
TTAGTATAAGCACAATGGCATAAAATCATGCAATCATTCATTCATGATCTTTTTTGAGCACGAACAAGCAG
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CTCAACAAGGAGTAGCTGCTGCCAAACATCTACATTCATTTACCCGCATTTCACAGACACAGGCTTGGGGA
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GGAAACATCAGCCTGCCCTCAAGGTCTTCTGAATTGAACCCTGCCACTGTGATAACCACCCTCACAGGACA
GGGCTCTCTGGCCACAGGAGGTGGGTTCTGAGAGCACCATGCCCCTCCTCACACAAACACAGATTCCACAA
CACACACCACGGGGAAGAAGGTTTAAATGTAAAAAACGAAACCATACAAGTTCCATAAGAAAGTATGGATT
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CTAAGAAAATCGTTTAACTTTTATCTACCTGAAACACAAAATTAAAAGGCAACCTATAAACTGGACAAAAA
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CTGGAGTAAAAAGTGCCAGGATTTGAATCTCAGCTCCTTGACTTAGTGGCTACACATCCTTACGCAAGTAA
TTTAACTTCGTGTGCTTCAGTTTACTCAAATGAAAGTCAGGATTAAGGGTACTTGTGTCATATTGTTGTCA
CGGGGATTAAATAAGTAATCCATGAGAGAGCATATAGAATAGTGCGTGACATATAGTAAATATTTAGCATG
TATAAATTATTATAGATTATAATACTTANN

Table1 4469

NNNNCGCGGTGGCGGCCGAGGTACTTGGAAGTTCTAGCATTACACAGACTAGCTTCCATTTCTCT
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TTAATCCACCACACTCTGGATGCTAGAGCTGTTGACAAAGTCATGCTTTGCAGATTTTAAAATAAACTTTT
TGTTACTCTTACAGCTTGGTATTTTCCCCTCCTATTTTTTTTACCTCCTCTAAATAAACCTCTTTGTTAAA
TAATTGATGTTTCTGGATCATAGAAAATAGTAAGTTTAAAATACAGAATATTTCCAAGCTAACTACAAATC
TGATGACAGTTTTTTGAGTGTGCACTTTTCCTTTTATTTCTTAGGTCCTTTTTGGTCCTTTGCAAACATAG
TAAGATTCCATATTTGTGTCCCAACTGTGGTAATATTGCTGACTTCTTACTGGAAAACAGTCAGCTCTAGG
TAGCATTTCTTCTGTGTGGTATTTAAGTTAAATTATTACCAAAAAAAAAAAAAGTCGACGCGGCCGCGAAT
TTAGTAGTAGTAGGCGGCCGCTCTAGAGGATCCAAGCTTACGTACGCGTGCATGCGACGTCATAGCTCTTC
TATAGTGTCACCTAAANNNNN

Table1 4470

ctccACCGCGGTGGCGGCCGAGGTACTGAGGCTGTATACAGCCACAGCCTCTCCCCATCCCTCCA
GCCTTATCTGTCATCACCATCAACCCCTCCCATGCACCTAAACAAAATCTAACTTGTAATTCCTTGAACAT
GTCAGGCATACATTATTCCTTCTGCCTGAGAAGCTCTTCCTTGTCTCTTAAATCTAGAATGATGTAAAGTT
TTGAATAAGTTGACTATCTTACTTCATGCAAAGAAGGGACACATATGAGATTCATCATCACATGAGACAGC
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AAGGTAACCTTTATCCATTTCATGGTGAGTGCGCTTTAGAATTTTGGCAAATCATACTGGTCACTTATCTC
AACTTTGAGATGTGTTTGTCCTTGTAGTTAATTGAAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTT
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nnnnnnnnnnnnnnCACATGTTTAAAAAATGTTTTTATGGGCTTCCTAGGTTATTTACAAAGCTGcttATC
TTTCAGGACAATAAAATCATAAGCGATGGAATTATCCTCTCTACCAGAGAGAAATCATTTGCATTCCTACT
GGAATGAAATCTACCACGTAACATGTAATTTTAGAGAGTCAGGACCTTAGTTAATGGTAAACAGTGAGTCA
TACAGAGCTGCACTCCTTTAAACCACCACCATCAAATGGAAGTATAATTTAAGCCACTATGTGATTTGAAA
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Table1 4471

NAACACCTGTTGTCGAAGGTCGGCGGGGTCCCCCGCGGGGCCCCCGCGCCGGGACCATCCAAGGC
GCCCCCATGTACACGGCCAGCCGCCCTGTGTGGAGCTTCACCCTTGTTTCTCAAATGGCAGGGGTACATGG

Table 6
775/3331

TCCCCCCTGGCCCCGGCGCATAGGCCAAACCACATTGGGCAAAGTGTCTGCATAGGCCAACTTCATTACAT
CCTGGTGGACACAATAGGAGTGCGAGAGGACATTGGAGTGGCAGAAGGCCAGCCGCTTGATCAGCAGAGGC
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CACTGCAGCATGGCGCAGTGGGTGGCAGATGGCCACATAACGGTCAAAGGCCATGGCCAGCAGGATGGTGG
ATTCAATGGCTGAGAGGGCATGAATAAAGAACATCTGGGTAAGACAGGCCTCAAAGCTAATCTCTCGGGAA
TCAAACCAGAAAAGGGCAAGGATCTTAGGCATGGTGGATGTGGATAAGGCCAGGTCAATGGCTGCAAGCAT
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CAAACATTGCCACTACATACATGGAAAGGAGGGGGAAGCCAACCCAGAAATGGGCTTTCTCTAATCCTGGG
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GGAGAGGGTGAGGTCACACTGGCAGTAGAGCCCATACAGCAGTTCGGCCTGTTCCTTTCAGGCTGACTCAG
AAGGCTGAGGAGGCTTTAGATTCCAGGGGAGGGCCGAGCTTGCAAATATGAGGAGACTTATTCCAGCCTGA
CTGGAGACAGGCACAGAGCTGAAAGGCCAATTCCTGGTGGTGGTGCTAACTCACTGTGTCTTCAGGGTGTG
GAGATTCCCAGAAGACTTCTTTTGCCTCATACAGTCCTTTTATATCTGTTCCATTATCCAATTACTTACGG
TGGCTATGTGCTTTATGGGCTGATGTAACCTTTTTTTCATGTGTCATTTCCCCCGCGT
Table1 4472
NNNNNNNCNAGTGGTCTGCTTTTATTCAGTAGAGTATTGTAGAGATTGTATAGAATTTCAGAGTT
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TGGAGAAACTGGACCCCAGGTCTGGAGCGAATTCCAGCCTGCAGGGCTGATAAGCGAGGCATTAGTGAGAT
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GCCGCCCGCGCTGGCTGTGCGCTGGGGCGCTGGTGCTGGCGGGTGGCTTCTTTCTCCTCGGCTTCCTCTTC
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AACAAAACTTTCAGCTTGCAAAGCAAATTCAATCCCAGTGGAAAGAATTTGGCCTGGATTCTGTTGAGCTA
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TGGAAATGAGATTTTCAACACATCATTATTTGAACCACCTCCTCCAGGATATGAAAATGTTTCGGATATTG
TACCACCTTTCAGTGCTTTCTCTCCTCAAGGAATGCCAGAGGGCGATCTAGTGTATGTTAACTATGCACGA
ACTGAAGACTTCTTTAAATTGGAACGGGACATGAAAATCAATTGCTCTGGGAAAATTGTAATTGCCAGATA
TGGGAAAGTTTTCAGAGGAAATAAGGTTAAAAATGCCCAGCTGGCAGGGGCCAAAGGAGTCATTCTCTACT
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TATATTGATAAATTTTAAAATTGGTATATTTGAAATAAAGTTGAATATTATATATAAAAAAAAAAAAAAAA
AAAAAGGATTTTGGAATTTAAAAAAAAAAAAAAGGTACCTGCCCNNNNNN
Table1 4473
GGACATCCGGCTGATGGTCATGGAGATCCGCAATGCTTATGCTGTGTTATATGACATCATCCTGA
AGAACTTCGAGAAGCTCAAGAAGCCCAGGGGAGAAACAAAGGGAATGATCTATTGAGAGCCCTCTCTCCCA
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CTTTGATGCTCTCACCACGGAACAAGTAACAAAGGTGTGTATGAGAGCTTGGGATAAATTACGCACCCCAG
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Table 6
776/3331

TTACAAGATGCTGTTGAAAAATCTGTCTCTGATGAGCACACTCAAGGTATTCTTCTTCATATGTTAGCTTT
TCAAAATGCGAACCATGAGTGTAAAATGGCCGTGCATTCCATCCTACGTCAAAATTTACCTGATCATGAGG
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GCCATGAAGCACGGCAACCAAACTGGCTCGACTGATTCTTTTCTTGGAGCCTGCTATAATTGTGGCCAACT
TGGTCATACCCAAAAAAACTACACTGTTAAAAACTTAAAAGCGGCCAAGCCGGCTCAACAAACACGGCCAA
ATGCTCCTGCTACTGT
Table1 4474
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
CTGCACCCCTCCTCCTGGCCAGGGCAGCAAGCCTTAGCCTTGGCTTCTTGTTTCTGCTTTTTTTCTGGCTA
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CAGCCTGGGCAACATGGTGAAACCTTGTCTCTACATAAAATACAAAAACTTAGATGGGCATGGTGCTGTGT
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ccgcggaaagaaaccacagaagcgcacactcgcgcctacagcgcacaaaaacaatagaaaagcgaaagaaa
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acaaagagcagatacgagacagggaacgagtagcagcggcgccacaacggacagaagcggcagagagcgaa
acgaaaggaaaacatgaagaaagaagagagcacagacgcagacaagacgagggtacaggagatgagaagaa
gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa

Table 6
777/3331

Table1 4475
CCTTCCATCATGATTGTGAGGCCTCCCCAGCCACATGGAACTGTAAGTCCGTTAAACCTCTTTCA
TTTGTAAATTGCCAAGTCTTGAGTATGTCTTCATCAGCAGCATGAAAATGGACTAATACATCCAGCCTCGG
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TGCTCTGCCTTCCAGTCCTGTGGGGACTGTTCAGTGTGTTATGGAAGGGGTCCCGAACATCCCGCGCCATG
GACCAGTGAGCTGCGGGCGAACTAGCACTCACTGCCTGAGTATTACTGCCTGAGCTTCGCCTCCTGTCAGA
TCAGTGGCGGCATCAGATTCTCACAAAAGTGCAAACCCTATTGTGAACTGTGCATGTGCAGGAGGGATCTA
GGTTGCACGCTCCTTATGAGAATATAACTAATGCTTGATGATTTGAGGTGTAACAGTTTCATCCCCAAACA
ATCCCCCCGCCGCCTCACCTACTCAATCTCTGTAGCATTCCACAGTCTTTATAGCAACAGAATACCCC
Table1 4478
GGCGGGTGCCTATAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGCATGAACCCAGGAGG
CAGAGCTTGCAGTGAGCCGAGATCGCACCACTGCACTCCAGCCTGGGCAACAGAGCCAGACTCCGTCTCAA
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AGAAGTGTATCAAAGTGCCATGATTTTACATTGTCCAGGATCTGATAATCAAGAAAGTACGGTTCAGCCTG
TGATCACTTCATTCCAATCAATTTATGGGGCCGAGACTTGTTACAACAATGGCATGCAGAGATTACTATCC
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Table1 4479
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CACCCAACTCACAGCAATCAAACTCCAAATGGTGCTATAAACTGAACCACACATGGACACGTCAGTCTTCC
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Table 6
778/3331

AGTAGCCAGAAGACATCGTCGCCCAAACCTCTAACAGCAGTTAGTGCGGCATCTCCACAGGGGGGAATGTT
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Table1 4482
NNCTGAAGCACGTTGGGTGAGAGAAAGAAAGAAATCACATCCTTTATCCTCCCACACAGCCAAAG
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CCTCTAAAGCGCTAAGT
Table1 4483
CACATTCCTGTCCTTCCCAGAAGAATGTGACACAGTGTATCTGGGTACTAAGTTGCCATTTAAGA
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Table1 4488
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Table1 4490
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Table 6
779/3331

GAAAGCTAAAACCATGGGGGCAATCTAAAGAAAATAATTATCTAAATCAACATGTCAACAGAATTAACTTC
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Table1 4492
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Table1 4493
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GCAGG
Table1 4494
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CAAATAAAAGTGATGGTGAGAACCTGGCTCAGGAAATGCAGTAGCAGGCCATATTGCATCCAAAGGAATTA
CTCACAGCTGTGCTGTGTGCATTCTCTGTGGGCCTAGCAGGGAAGGGGACAGCCCTGTGGCAATGGGCATG
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NNNNNNNNN
Table1 4496
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GGACGCN
Table1 4503
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Table1 4504
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Table1 4514
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Table 6
781/3331

GCAAGTGGTAAATAAACTGGGAGATCCTCAGAACAGAATTGCCACAAAAGCATCCCATCTGTTAGAGACAT
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TCAGTATTCAGGGGACCCACTGCAGGATTTCACTCTAATGAGATTTTTGGATCGATTTGTATACCGAAATC
CAAAGCCCCATAAAGGCAAAGAAAACACAGATAGTGTTGTGATGCAGCCGAAAAGAAAACATTTTATTAAG
GATATTCGTCATCTTCCTGTGAACAGTAAGGAGTTCCTTGCAAAAGAAGAAAGCCAAATACCAGTGGATGA
AGTGTTTTTCCACAGGTATTATAAAAAAGTTGCTGTTAAAGAGAAACAAAAACGGGATGCAGATGAAGAAA
GTATAGAAGACGTGGATGATGAAGAATTTGAAGAGCTGATTGACACATTTGAAGATGATAACTGTTTCAGC
TCTGGAAAGGATGATATGGATTTTGCTGGAAACGTGAAAAAGAGAACAAAAGGAGCTAAGGATAACACATT
AGATGAAGATTCAGAAGGTAGTGATGATGAACTTGGTAACCTGGATGACGATGAAGTTTCTTTAGGAAGTA
TGGATGATGAAGAATTTGCTGAAGTTGATGAAGATGGAGGAACATCATGGATGTGTTAGATGATGAAAGT
GAGAGCGTTCCAGAACTTGAAGTCCACTCCAAAGTCAGTACTAAGAAAAGCAAGAGAAAAGGTACAGATGA
TTTTGACTTTGCTGGCTCATTTCAAGGGCCAAGAAAAAAGAAAAGAAACTTAAATGATTCCAGCCTATTTG
TATCTGCTGAAGAGTTTGGCCATCTATTGGATGAAAATATGGGATCCAAGTTTGATAACATTGGCATGAAT
GCCATGGCTAACAAAGATAATGCAAGTCTCAAACAGCTTAGATGGGAGGCTGAACGTGATGACTGGCTACA
CAACAGAGATGCAAAAAGTATCATCAAGAAAAAGAAACATTTTAAAAAGAAGAGGATTAAAACCACTCAAA
AAACTAAAAAACAAAGGAAATGAGTTATTAATGTAAATTATAGATTAAAATTCTACTTACATCTAATTTTT
GCTGTTCAACCATGTTTTTTGATCTAGCTCTCTGATTCCATACATTCCAGACTTCTCAGTGGATTTGTAAT
AAACTATAAATAAAAATAGCTCTCATTTATAAAGTCATGTGGAAACATTGTTAAAATTAAATGTATTGANN
NNNNNNNNNNNNNNNNNNN
Table1 4518
NNACCCACGCGTCCGCTAGAAAGCTCTGTCTTCTATAAGCTTAAGAGTCCGAGTGTCTTTACACC
ACTGAGTGCCATGCAGAGAAGGGTCATTTTCCTTGTATCTTAGGAAGCTGGAAATGCAGGCTGGTCTCCCT
TTCTTGCCTTTGTCACTAACCCCGAGCTGTCAGCCATTTGGAATCAGAACTGCTTTCCAGTGTTCTAAGTC
CTTATTTGATTACAAATATTTGGTGAATCAAAGTAAGGCACTTTGGTCCTAATTTTTGACCTTTGGTCCTA
ATTTTTGTTTGTAAGATGTGGAGAATAACCCTGACCTTACCAGGGGTCCTGGGAATGTGAATCCATTCGTC
AAGTGGTTCCACATCTAGAAGAATTTTGCCTATGCCGTGTCAGGCATCATTCAACACAAGGCCAACTATCT
GCTGCCAGTCTGGCATAAGATCAGATTGAAACTGCTAAGTAATGGTACATCCAAATAAACAAAGTTCTTCC
AAGAGAGTAAACCCAAGTCCATCTTATACACGTATTTGTTCTGGGTTGGTGGGGACGACAGTTCAGCCGAG
TCCGATGTTCTAGAGCAGAGGTTCTCAACCCTGGCTGTGAATTAGGATCATCTGGCCAGTTTTTGTTTTTA
AATCAGTGCAAGGGCCCTCCCCTCAGAGATTCAGATTCAGTAGCTTCAGGTGGGACCTGGAATCCATGCTT
TGTTTGGAACCTCAGGAGTGTTCTTGATGTGCAGCCAGGATTGACAAGAGCCTTTAGTCTAGAGCTCGCAG
CAGACCTCTAGACTATTTGGAATCTGATTTTAAAGAATGGCCCAGCAGATGAAGGTGTTTTTTTAAATTGT
TAGTCATGTGAAACGAACTGAGTATTGATCAGTAATACAGACAGGGCAGCTGTGAGAGAGTTTGATGCTAA
TCTTTGCAGAACTCAAGAACATACTCCATAAAGTACAGCTGAAAAGATCACGAAAACCTTGAGCCTTCGAG
GAAAGAGAAGGGTGACTTGGGGTATGTATGGGGAGAACTAAAAACCTGTCATCTTGGTTCCCACTTGTGGG
GAATAAAGGGAAGGTATTGTCTTAACTGAGCTGCTAACTAATCAAGCATGAAGGTTTCTGGGAAGCTGTTT
TGTTTTTTTTTTTTAATTTCACCTGGAATTAAATTAATAGTCCCCTCNNN
Table1 4519
NAGCTCCCCGCGGTGGCGGCCGAGGTACAGCAGAACTGCATGATCAGCTGTATGGTAGCCTTGAA
AACCAACAGGCCACAATCACAGTGAAAACCTCAGGTTGGCAGCCACTGGAGGATATAAAATGAGTTTGGAT
CTCCTTCAATGCCCCATTCCCAGAGAACTGTCATTATTTGGACCTGCTGGTAGTTCCCTAAAGGACGTGCA
AGGATGTTTTTATTTGACTGGACACTTGAAGCTTGCCCTGTATGAACAGCCCCCATCTTCCCATGCTTGTC
AAAAATCAGAGGCAACTAACACTGCGGCTTCCTGAGAGTCTCACTCTGTCACCCAGGCTGGAGAGCAATTG
CACAAACACTTGGCTCACTGCAGCCTCAACTTCTTGTCCTCAAGTGATCCTCCCACCTTAGCCTCCTAAGT
AGCTGGGACC
Table1 4520
ACTTTTCAGTTCAAGGATTTCTGTTGCATATTATAATTATTGTCAAGTTTCCTTAAAACGATTAT
TTTGAATTATTTTTCAGAGAGTTAATATATCTCTATTTCTTTAGGGTCAATCGCTGGAAATTTTTTTGTCC
TTTTGGTGATGTCACGTTTCTGTAATTGTTCTTGATCCTTGTAGCTGTGTATTGATATCTGTGCATTTGAA
AAAGTAGCTATTTATTCAAATCTTTACAGTTTGGCTTTGCATTGGAAAGTCATGTGGCAGGAGCAATGATG
GGGTGTGCCAGAAGCCCACGGT

Table 6

Table1 4521

NNGCTCAGGGTTCCGGAGCCGCGGCCCGGGGAGGCGAAAGCGGAGGGGGCCGCGCCGCCGACCCC
GTCCAAGCCGCTCACGTCCTTCCTCATCCAGGACATCCTGCGGGACGGCGCGCAGCGGCAAGGCGGCCGCA
CGAGCAGCCAGAGACAGCGCGACCCGGAGCCGGAGCCAGAGCCAGAGCCAGAGGGAGGACGCAGCCGCGCC
GGGGCGCAGAACGACCAGCTGAGCACCGGGCCCCGCGCCGCGCCGGAGGAGGCCGAGACGCTGGCAGAGAC
CGAGCCAGAAAGGCACTTGGGGTCTTATCTGTTGGACTCTGAAAACACTTCAGGCGCCCTTCCAAGGCTTC
CCCAAACCCCTAAGCAGCCGCAGAAGCGCTCCCGAGCTGCCTTCTCCCACACTCAGGTGATCGAGTTGGAG
AGGAAGTTCAGCCATCAGAAGTACCTGTCGGCCCCTGAACGGGCCCACCTGGCCAAGAACCTCAAGCTCAC
GGAGACCCAAGTGAAGATATGGTTCCAGAACAGACGCTATAAGACTAAGCGAAAGCAGCTCTCCTCGGAGC
TGGGAGACTTGGAGAAGCACTCCTCTTTGCCGGCCCTGAAAGAGGAGGCCTTCTCCCGGGCCTCCCTGGTC
TCCGTGTATAACAGCTATCCTTACTACCCATACCTGTACTGCGTGGGCAGCTGGAGCCCAGCTTTTTGGTA
ATGCCAGCTCAGGTGACAACCATTATGATCAAAAACTGCCTTCCCCAGGGTGTCTCTATGAAAAGCACAAG
GGGCCAAGGTCAGGGAGCAAGAGGTGTGCACACCAAAGCTATTGGAGATTTGCGTGGAAATCTCAGATTCT
TCACTGGTGAGACAATGAAACAACAGAGACAGTGAAAGTTTTAATACCTAAGTCATTCCCCCAGTGCATAC
TGTAGGTCATTTTTTTTGCTTCTGGCTACCTGTTTGAAGGGGAGAGAGGGAAAATCAAGTGGTATTTTCCA
GCACTTTGTATGATTTTGGATGAGCTGTACACCCAAGGATTCTGTTCTGCAACTCCATCCTCCTGTGTCAC
TGAATATCAACTCTGAAAGAGCAAACCTAACAGGAGAAAGGACAACCAGGATGAGGATGTCACCAACTGAA
TTAAACTTAAGTCCAGAAGCCTCCTGTTGGCCTTGGAATATGGCCAAGGCTCTCTCTGTCCCTGTAAAAGA
GAGGGGCAAATAGTCTCCAAGAGAACGCCCTCATGCTCAGCACATATTTGCATGGGAGGGGGAGATGGGTG
GGAGGAGATGAAAATATCAGCTTTTCTTATTCCTTTTTATTCCTTTTAAAATGGTATGCCAACTTAAGTAT
TTACAGGGTGGCCCAAATAGAACAAGATGCACTCGCTGTGATTTTAAGACAAGCTGTATAAACAGAACTCC
ACTGCAAGAGGGAGGGCCGGGCCAGGAGAATCTCCGCTTGTCCAAGACAGGGGCCTAAGGAGGGTCTCCAC
ACTGCTGCTAGGGGCTGTTGCATTTTTTTATTAGTAGAAAGTGGAAAGGCCTCTTCTCAACTTTTTCCCT
TGGGCTGGAGAATTTAGAATCAGAAGTTTCCTGGAGTTTTCAGGCTATCATATATACTGTATCCTGAAAGG
CAACATAATTCTTCCTTCCCTCCTTTTAAAATTTTGTGTTCCTTTTTGCAGCAATTACTCACTAAAGGGCT
TCATTTTAGTCCAGATTTTTAGTCTGGCTGCACCTAACTTATGCCTCGCTTATTTAGCCCGAGATCTGGTC
TTTTTTTTTTTTTTTTTTTTTTTCCGTCTCCCCAAAGCTTTATCTGTCTTGACTTTTTAAAAAAGTTTGGG
GGCAGATTCTGAATTGGCTAAAAGACATGCATTTTTAAAACTAGCAACTCTTATTTCTTTCCTTTAAAAAT
ACATAGCATTAAATCCCAAATCCTATTTAAAGACCTGACAGCTTGAGAAGGTCACTACTGCATTTATAGGA
CCTTCTGGTGGTTCTGCTGTTACGTTTGAAGTCTGACAATCCTTGAGAATCTTTGCATGCAGAGGAGGTAA
GAGGTATTGGATTTTCACAGAGGAAGAACACAGCGCAGAATGAAGGGCCAGGCTTACTGAGCTGTCCAGTG
GAGGGCTCATGGGTGGGACATGGAAAAGAAGGCAGCCTAGGCCCTGGGGAGCCCAGTCCACTGAGCAAGCA
AGGGACTGAGTGAGCCTTTTGCAGGAAAAGGCTAAGAAAAAGGAAAACCATTCTAAAACACAACAAGAAAC
TGTCCAAATGCTTTGGGAACTGTGTTTATTGCCTATAATGGGTCCCCAAAATGGGTAACCTAGACTTCAGA
GAGAATGAGCAGAGAGCAAAGGAGAAATCTGGCTGTCCTTCCATTTTCATTCTGTTATCTCAGGTGAGCTG
GTAGAGGGGAGACATTAGAAAAAAATGAAACAACAAAACAATTACTAATGAGGTACGCTGAGGCCTGGGAG
TCTCTTGACTCCACTACTTAATTCCGTTTAGTGAGAAACCTTTCAATTTTCTTTTATTAGAAGGGCCAGCT
TACTGTTGGTGGCAAAATTGCCAACATAAGTTAATAGAAAGTTGGCCAATTTCACCCCATTTTCTGTGGTT
TGGGCTCCACATTGCAATGTTCAATGCCACGTGCTGCTGACACCGACCGGAGTACTAGCCAGCACAAAAGG
CAGGGTAGCCTGAATTGCTTTCTGCTCTTTACATTTCTTTTAAAATAAGCATTTAGTGCTCAGTCCCTACT
GAGTACTCTTTCTCTCCCCTCCTCTGAATTTAATTCTTTCAACTTGCAATTTGCAAGGATTACACATTTCA
CTGTGATGTATATTGTGTTGCAAAAAAAAAAAAAAAAGGGGGCCCTTTTTTTGTAAAAAAAACCTGGGTGGG
GAAACCCATTTGGTTTTTCCCCCTTGGAACCTGGTTTTAACCCCTTTTTTAACGGGGAAAAAAAACTTTGA
AAAAGTTTTTTTTTCACCTTTTAACGGGGAAATGGGTGGGTTTTAAAACCCTTTTCCCCCAAACGCCGGGT
TTTTATCCGGTTAAAAAAATAATTGGGGGTTTTTAACAGGAAAAAAAACCCTGGTCCAATTTGGCCAAAAA
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AAAAGGGTTTGAAAAAAAAAGCCCCCNNNNNNNNNNNNN

Table1 4522

NAACTTCGACGACCATTCACATGGATTATGGGACAAATGCCCATAAGTTTATAATACTTTCTTAC
TTTCTGAAACAAGATGTTTTTGACTTTTCTTACACTTTCCTTATCCCAGCCCTGAAATTAGCCATTTTTCC
AAGAAGCCCTGGTTTGCTTGGTGGATATGGTTTTTAGAAACCAAGATCTGGATGTGAGGTGTGCTTCTTGG
TTTTTGAATGTCATTGCTTCTACATTCTCTTAGTGGACAGATCTAGGAAATGATGTTTGAATCTATGTATA
TAGGTACATCTCAACTGATTTATGTATATTAAAACCATGAGTTCACAGCAGTACCTTCAATTCCAGTCACA
TGGCTCGACCTAGCCTCAAACTTCTTAAATGTGTAGCTTTCTTCTTCTTCAATAGTGAGAAGTCTTGCTCCTAT
TGTCTTTAATATATTTATATGTTTTCTTATTCTACTTTACAAAACCAATATTTTGATACACATGCCATAAC
CTTCTCAGCTTTAACATTGCTAGTCATCTCTAATCATACCCTCAGATTTGACTCTGAATGGTCCTTGTTGT
CTCTTCAGCCCCAGTTGTTTCTTTGGCACTGGCCGTCCTCCTGACCTCTACTGTCTCCTTGGCCCTCACCC
TGAAAGTCCTTCCAGACTCACTTGCCTCTGGCTCTATAAGACCCTGGGTATCACCAGGGCCTCTGCTCCCT
CCATAGAACCCGTGTCCCTGAGGCCTCACTGGCTCTAGCTACATCAAAGAGAGGGAAAGGAAGAGAACCAG
TAGT

Table1 4523

ACCGCGGTGGCGGCCGCTTTTTTTTTTTTTTTTATATTTTTAGTAGAGACAGGGTTTCACCGTGT
TAGCCAGGATGGTCTCGATCTCCTGACCTCTTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACA
GGCGTGAGCCACCCATCCGGCCTAACGAGACTTATTTTTACTCAACTAGATGGCGTTCATTCATTTGCTTA

Table 6
783/3331

CTCAGCTGTGCCAGGAATTAAGTTGGGCACTGGGAATTCCAAAACCAACAAGACATTCTCTGTCATCAGGG
AACTCACAGCCTAGTATGAGAGATAAACAAATGAACATGAAATTATAATTCAGTAACAAAGAATGAGTGTT
ATGGCAGAGGGAATGTGTAAGAGCTTGGCAGGGTATCCAGCAGGGATACCTAACTAAGCCCCACTGGGGAA
GGCATCCGAACAGAGGGGACAGCTGAGCTGAGTTCAATGAGCCAGTAGGAATTAGGTTGATATAAGTCAAA
TCATTTAGTGTTTATGACAACTCTGAAAAATAAGTATTTCCATTTTACAGATGTGAAGCCTAAGTCTCAAA
GAGTTATCCAACATCATCCAGAAGTGTGGGGACCCCACAATATCCAAGGGAACCTGGCCCCAAAACTCATG
ATCTTTCCCCTTTACCGTGCTGCCTCTTCAAGACTGAGAATCTGTCCTTGATGGGATTTGTTCAGGTACCA
TGTCAGGATGACTGTCTACGTAATGGAAGCCCTGTCGCCAGCTTTTCAGCTTCCTTTCAAATTCCCCCAAC
TCCTTCTTTTTTTCACGCAGCAACTTGTCTCTTTCCATGGAAATGCCTGTTCTTCATTGAAATTAAGTCCA
TCTGGCATGATCTCCCTTGACTTCTTTCCTCTCTTTTTGAACATGTGTTGATCCTCAGCCCAGCAGATTGT
AAACTCCTCAAGGGCAGGTGCCCTGTTTTAATCCTTGTCTGTGTCCACATAATCAGGCATAAAAACAAGGG
GAGGGGAAGAATAGAGAGGAAGAAGGAGGGAGGGACAGAGAGAAAAAGGGAAAGGGAGATAACGTAAATAG
AGAAAAATGCAACAACATAATGGAGAAACACACAGAAAGAAAATCAGAAACAGAACCCCAAGGCATAAAAA
AAAATCCCTGTTACGTCCCCGCGTTAATTAATTCTAGAAGTACCCCGANNNNNNNNNNN

Table1 4524

TTTCCAGGGAGTAAAAAGGCCTTTTGGGTGGCACATAAATCTACTGCGGTGCTGCCTGCTGTGGC
GCGGGACAGCTGTTGAATTGTTGTAATTGGCTGACTCCCTGAAGTGGTGGTATTTTCTGTAGGGGTTGTTG
TCCTTGAAAACCCTGAGGAACAAACAGTTTAACTGGGAATGCCCCAGTTTGTTGGGGGGCCTGAGGCTGGC
CCCTCTTCCTGTTTCCAGACAATGGTTGCCCATCTTTATCAAATTTAGAATGACATTGATTGGCCCAATGT
TTTGCTTTTCCACATTTTGGACACAGGCCAGATGGCTTTTTATTTTTTGCTGTTAATAGCTTGATTTATTA
TATTCTGTTTATTTAAGCCTGGGCAACTCCTTTTCAGATGACCGATTTGACCACAATTATAACATTTTTTC
CCAAATGTTCTAACTTGTCCTCCTAGAGTGAGCCCCCTCATTGCTTGAGCCATTAGCATTGCCTTATGCAT
AGCTCCTCCAATCCCATCACAAGCCTTCACATATTCTGTAATTACATCAACTCCTGCTGGAACTTTTCCTT
TTAATGGCTTTATGGCCGACTGACATTCTGGATTTGCATTTTCATAGGCCATTAATTCTACAATAACTTTT
CGGGCATTGTCATCTGTAATAGACTTTTGAGCAGCATCTTGTAATCTTGCCACAAAGTCAGGATATGGCTC
TTTAGAGCCTTGTCTAATTGAATTAATAGGGAAAGCTGTTCCTGGGTCCTGAATTTTTCCCCAGGCCCTGA
GGCAAATAGCCCTTACTTGTTCAATAGCCTCATTCTGCATCACTGATTGTTGGTTAATGGTGCTCCAATTT
GGACCTGTTCCTAACAATTGGTCTGCGTCTATATTAACAGTGGGCTTAGTAGCCTGATTTTTTCGTACCTG
TTCTTGTACTCCATCAATCCACCAGGTTTTAAACTGTAGATACTGAGAGGATGAAAGGGAAGATTTGGCCA
AAATTTCCCAGTCATAAGGAGTAAGTCTATTTCCATGAGCAATGGAATCTAATAATGTTCTTATATAAGGG
GAGTTGGATCCATATTGTTTAACTCCTTCCTTTATATCTTTTAACATTTTCATGGTGAAAGGTTCACATCT
AGTCTCAGCTCGGGCAGGCGCTCCTACTTGAGTCTCTTCCCCGGCCTGTACCAGTTGTAAAATTACCAGGA
ACCGCCATGCCTCAAGATCGCCCTGTTTTCTGGCTTCATCAATGACTGCATGCAGTGCACCACCCTGTCCA
CTACGTGATGCTGTAGGATTAAGTCTCACAGTGGGCGGCTGAGGATACAGCGCCGCGTCCTGTGTTGCTGG
TGAATTAGACGCCATCGCTGTGGGTTGCTGGTATGGTGCCGTGCTATTTGGCACAGGACACACCGCTTGAG
GTCTGTATTGAACCTCTGAAGGAGGCCGATACTGAAGCTCGGTTGGCAGCCGGTATTGATAAACTACCAGC
GGTTGGGTCTTATTTTCTACCGGCTGATATTGTGGATACTGTATCTGAGTTGGCATTGCCGGGATAGAGAC
TCTGTCCCTTTCTACTTGATTTTCTCTTGGGGTTTGTGCTTGTCTAACCTGCGTTTGAGGTTGTAATGTTA
CAGGCATCTGAACCACGGGAGGAGGAGTTGATGGCGATCGTGGTTTAGGCTCTGATGGCCCCAATGATTCT
GGACCTCCTTCCCCCAATTTTGATGATTCAGGGTATATTATCTCCTGTAATTGACTGTAGTCAACATTTTG
CGTTGACTGAGCCATTACAGACTCTGCTACATATTTACAATGTGAACTTTCCGTTCCTTGCTGGGATTCTG
TCCCTGCCTCTTCTTCACAATCTGTTACACAGCTTTTAGGGGCATCAGAAACTGAAACAATATCTTCTCCT
GTTTGAAATGGTTCTAAAGTTGCTTTAATAATGGCCCAATCATTCCATACTGTAAGTGGGATGATTTTACC
TTCCCTATTTGCTTGTTTTAATTCTTTGCCAATTTTTTCCCAATCTTTTAGATCTAAAGTTCCCTGTTCTG
GAAACCATGGGCAGAATTGTTCTATTGTTTGAAATAGCGTAATTAGATTTTCTGTAGAAGCTCTAACTCCC
CCTCTTCTTAAAAGAATTTTAATAAAGCTGAGATAAGAGGCATATTTACTTTCAGTTTGCCCCATCGTTAC
CCTGGGTTCCTCTAAGCACACAAGCTTACCGCAAGGCTGACCGTGGACGTACTTGGGAATCTCTCGTCGGC
TGTCCTCAATGCTCACGTTCTTAGCGTACCTTCACCCTAGAGAAGGGCCCCCACGCCGGGCGCCAGATGAA
GGGGTGGCCTGCCCCTCCACACCTGTGGGTATTTCTAGTCGGGTGGGATGAGAGACGGAGAAAAGAAATAA
GACACAGAGACAAAGTATAGAGAAACATCAGTGGGTCCAGGGGACCAGCACTTAGCACACCAAGGACATGC
ACAGGCACCGGCCTATGAGTTCCCTCAGTTTTTATTGATTATGATTTTCATTATTTCAN

Table1 4526

CTCCACCGCGGTGGCGGCCCAGGGACCTCTAAAGGCCTGACCTCTGAAGTAATCCCAGATATCAT
TTTCCCCATATGGTATTGGGTCAAAGCACTCCCAGGGCCATCCCAGGTTGGAGGGGAGGGCAAAAAGACTC
AGAAATGGTTGGTGTTCATCTTTGGAGACTATTTACACAGTGATTGTATATTAAAAAAAACAGCAATTATA
TCTTTGAATTTGAGTAAAGTTAAAGAAATGGTATCTGTGAAACTTCGAATAAACAAGTGGAGCTTAAAATA
TTTGATTCTTGCATATTAGGTTAATGTGCTCTATGCTAATCAGGTTGGAGAAATATTAAGCTCTGCTAGGA
ATTCTATTGGACTGAAGGTAAGTCATCCTGCCAGTAACTACCTAAGTCAAGGTGTGAACAAGCTGGAATTT
CTTCCCATTCTAATTTTTTTCAAGTATACCCGTAGAAAACAAAATGAAGAATCGGGCTCAGAATCATTTCC
AGCTACCTATCACATCTTTGGAAGCTTCAAGGTTAGATATAATGGAAAGCATGCAAAAAAAAAAAAAAAGT
CGACGCGGCCGCGAATTTAGTAGTAGTAGTAGGCGGCCGCTCTAGAGGATCCAAGCTTACGTACGCGTGCA
TGCGACGTCATAGCTCTTCTATAGTGTCACCTAAANNNNN

Table1 4527

tcCACCGCGGTGGCGGCCGCCCCGGGCAGGTACTTTAGGCTGAGAAATAAATAGAAGGTGAGAAA

Table 6
784/3331

AAAGAACAGTCTTTATAGTCAGTAAGAGTGAAAAGAGAAAGATGGTAGTTGGGGAAAGACAGATGGGGAGA
AAGGTTGGCTGGTTGTTAATAAAACAGTAGAGGATGAGCATGTATTATAAATGCTGGTGGGAAGAAACCTT
GTGGCAAGGAGGGTGGTAGTGTTGGAGAAGAAAGAGAGGATATAGTAGAAAGTTAAAGAGGAACTGGAAGC
AGGTGGGATCCAGGACATAGGAAGGGGAAGAGCCTTGGGCAGAGGTGAGACATCTGCAGGAGGGAAGGAAC
TGAGAGAAGGGAAGGTGTGCAAATGTGGCAGGAGGAGTTTGAGTAAAGTTCCATCTGATATCCTCTATTTT
CTCTGTAAATCATTCTGAATGAAGTATGAGACAAAGAGATCAAAGGCTTGAGAAAAAAAAAAAATTTAAAAA
AAAAAGTACcTcGGCCGCCACCGC
Table1 4528
ACACTTGAGGAAGCTTGGGCTCAGAGGCTTTATGTTAATTCCAACAGTTTTTGCAACAGGAGGAG
GAGAATATCTGTCCAGGAGCCCTAATCAAGACTCAGCAGGAAGCTGGTGGCTTCCTTTCCTTTCCTTCTTT
TTGCTTCCCTTTCCTGGTACTTTACCTGGTGCTCTCCTTTCAGTCCTTCCTTCTACATATGGGGCCCATCG
CATTCCCACTGACTCAGATGCTGAGGGGCCAGACTGAAGGGACAGTGGCCATTGCATCAAGTCAGAGAACG
GATCTGACCCATCTAGTAGAAGCTTATTGTTTTGGCAGAAGCACAAGCTCTTAGAGGTGCAGCTGCAGGGT
GTGACCTATTGGGGACATTGAGCTCAGTGACCATGGGCCC
Table1 4529
NNNNNNNNAGAGAACAGATGGGCAGGTCCACAGCACTGCCAGATTCTGCACAAGCTCCATTTATC
GTTGGTTCTTGCTTTTTTCCTTCTGTGTTTTTAATTTTTTAAAAAACATTGTATGTTCTAGAGAACTAGCT
TCACAAAAGGTCGGTGGCTGATGATCTTTCAGCTAAGATTTCAAATGTAGAAGAACAATTCAAAATGCTAT
CACTGTGTATGTAAGAAGGATGGGGCAGATTTCATTTTACCCTCTAGTCTCCCTCAATGCATGCACGGATT
TATCTGTACGCTAAGCTCTCTGCTCTGCATCTGTAGCTCCTTGTGGATTATATTGTCTCAGTGATCAGAAA
TGATTTTCTCGGATATGAACACCGTTTCTGGCTCCCCTAAAGTGCATCCTCCTAATGGGACCCGGTTTTAC
ACTTTTCAAGAATTTGCTGCACTGACAAAAGAATTAAATGCCTGCAGGGAACAACTTCTAGAAAAGGAAGA
AGAAATCTCTGAACTTAAAGCTGAAAGAAACAACACAAGACTATTACTGGAGCATTTGGAGTGCCTTGTGT
CACGACATGAAAGATCACTAAGAATGACGGTGGTAAAACGGCAAGCCCAGTCTCCCTCAGGAGTATTCAGT
GAAGTTGAAGTTCTCAAGGCACTGAAATCTTTGTTTTGAGCACCACAAGGCCTTGGATGAAAAGGNNN
Table1 4534
NNNGCTTGGTACCTCTTGGTTGAATGAATGGAAGCAAAGAGAGTATGGTGTGAGCAGCCTGCCTC
TGAGGCTGGAATGTCCTACTGGGTTCAAGGACACCAAGGACTTCTGCTGCAGAAGGTGTGGCAGAAGAGGG
CTAGACACCACATAGGGAAAGAGTTCACTCACATTTGTTCTTTCACAATGAACAACAAAAACGAAGGAAAA
AATCACATCTCAGAGGATTCCATGGAGCACACCCAGAGACCAAAGGCCGATTGCTAGAAAACAGCAAAACA
GGCATAGTTCTGAGATGGAATGACTTGAAAGGCTGGTGGATTGTTCAAGAAATCAGTGTTTTGTTATCAGA
TTCCCTAATCATAAATCCTAGGTCTTAACCTGTGGTTTAGGGAAGACAGGTTTTATTTGGGTAGAAGTGCA
GTCATGCAGTTTAGTGATGTGGAAAAGAGGCGGAAAGATTTACAAGTAAATGTTTCCTTGATCATTGGATT
TAGAAAAAAAAAAAAAAAAAGCACCACTGCCACACACCTGTGGTGATGAATCTGAAAGTGCTTTCTGGCTGA
ATGACATCCTGCTATAGTGGTTGCGTGGGGGCAGCATAAGATCTAAGTGCTTCTCCCCTCCCTAGCTTTCA
AAGATTGTAAGCTCACTGAGTCAAGATGCTTTATCTTGGTCCCTGCTTTTTGT
Table1 4535
NNNNNNNCACTGGGTCTTTTGTCTTTCTTGGCCGACTTTCCCAGCGTCCTTCTTCTTCTTGTCGT
CCTTAGGCGGCATTGCGAAGCTCGGAGAATAGCAGCAGACTCCGCAGCCTCGTCAAGATGTCGGACAAAAA
GGAAGCGCTGCTCAGAAACGGGCCCAAAAACCACCGTCCGCTGTGAGTACTTCCGGGGCAAGAGGCGGAGC
CAGGCAGAGGAAGTCCCACGGCGAAGCGCTCGCCCTCTAGCCTGAGGCGGAAGACAGGAAGCGGATTCTAG
TTCCCAAGCCGCACCGCCTAAATACTGCCGGAGTCTGCGCTAGTTGTGACGCATACTATAGCGCTGTTTTC
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ACCAGTTTCCGAGCGGCAAGGCAGCGATGGCGATTTTTAGTGTGTATGTGGTGAACAAAGCTGGCGGCTTG
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GCTCAAGCTACACGATGAGCGTGTGTTGGTTGCTTTCGGCCAGCGGGACGGCATCCGAGTGGGTCATGCAG
TGCTGGCCATCAATGGCATGGACGTGAATGGCAGGTACACGGCCGACGGGAAAGAGGTGCTGGAGTATCTG
GGTAACCCTGCTAATTACCCGGTGTCCATTCGATTTGGCCGGCCCCGCCTCACTTCTAATGAGAAGCTTAT
GCTGGCCTCCATGTTCCACTCGCTCTTTGCCATCGGCTCCCAGCTGTCTCCTGAACAGGGAAGCTCAGGCA
TTGAGATGCTGGAGACAGACACATTCAAATTGCACTGCTACCAGACACTGACAGGGATCAAGTTTGTGGTT
CTAGCAGATCCTAGGCAAGCTGGAATAGATTCTCTTCTCCGAAAGATTTATGAGATTTACTCAGACTTTGC
CCTCAAGAATCCATTCTATTCCTTAGAAATGCCTATCAGGTGTGAGCTCTTTGACCAGAACCTGAAGCTAG
CTCTGGAGGTGGCAGAGAAGGCTGGAACTTTTGGACCTGGGTCATAGGCTGAACCTGTTATGGACCCCCAA
ATTCTGAGAGTTCCTGCAACAAGAATACTGCTGTTGACACTCCAGTGGAAATCCCAGCAGCCTTGTTAGTG
CACTTGAAAGTGGGAGAATGCTGACCCTGATGACTTGTACTGATTCCTGAGCCTTAACACTGTGCTCTTTC
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TGTTGTAATAAATATTCCTTTGATCTTGGTGTTTGCAAAAAAAAAAAAAAAAGAAAAAAGAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAGGGGGGGGGGGTAAAAAATTCCCCGGGGGGCGCGGCCCCAGATTGACGCT
AACCCCCTATGTCTCTGGTAAACCAAGGGGGGCCCCCAATAGGGGGGCCGCAAATAGAAAGGAGGACCACG
AGCCGGGCGTTAAAACACGGCCGGGGCGGGAAAAAAACGGGCCGCCCGGGAACCGTTGGGGGGAAGGAACC
CCCCTCCTCGCGGGGGGGGGACCAATCAGCGGCACCCACCACCCCACGAAATATTAACGCCCGCGGCGCAA
CACAACCAGCTTCCAGCGGTGTCAACGGGTGAACCCACGCGGCAAAGCACCGCGGCTANNNN

Table 6
785/3331

Table1 4536

NNNNNNNNNNGNCCGTCCCGGTCCGGAATTCCCGGGTCGACCCACGCGTCCGTCATGAGATTCCC
TTGATCAGCCCTGCAGCTGTAGTACAGCGCTGTGCCCTCACCTCCACCCTTCCTGTTGTTCCCACGTGGGC
AATACCAGGGACCCATGGGGAAACTCAAGAATGACAGCTTCTATATTTTGTAATTCTGGATGAAAGATAAC
TGTGTTGAACAAACAGGTGCTCCAGGCTTTGATTATAGATACGACTTCAAAAATATGCTAAGACGCTTGAC
TTATTAAGGACTTTAACCTACTCAACAGTATTTCATATCCATTGTGGTTAGTTACTCAGTTATGTTGAGAA
GAATCTGGAGCTAAAAGCAGAGATGTTTGAGGTGACGGTAGGAATGTGAGCAGGATGGTGATGGGGGTTTT
TGTTAAAATGCATCTGAGCAAGTCAGCCAGCCCCGAAGTCCCCTCAGTGTGTGTGTCTCGAGTGGCTACCT
GTTGGGCTTGTGGGCAGTGATTGTACAGAGCCTGTCCATTGGGTGCAGTCATGTAGATCTGAAGCCCTGAA
AAGCCTCATGTCTGCATCCCCTTTCCAAGGCTGCTTCCCTGGTGTGTCTGTTCTCTCCTCTGTCCCAGGTG
CTGGGAGCGTCCTCTTCAGCGTCTTTTCCTAGAGCTGGTCACCACTAGGCTGTCACTATAAATTCCTTGAA
TATAAGTAACAGTTATTAATGAACTTCTAAATTTCTAATTTCTCTCTCTCTCTCTTTTTTTTTTTTTTTGT
TGTTGTTAAAAAGGGCCTACTACATTGGCGCTATTCTTAGGACTTCTGCAACTTTTAAAGTCTTACTGGTC
TTTCTTGTTGCTTGTGTATTAGGAGTTCCCCGTGTGGGCTCTAGAATCCCCTTTTGGAGTACATGCTCTCC
TAGGATACTCATACTAATGGCCCTATCTGTTCTCAGGATGGAGAGAACACAGAAGCTACTATCCATGTCAG
GATTTATTCTATTTATATCTTATTACAATAAAATTAGTGGCACTTTATTCATAAATATTCATGAGCCTGTT
AATTGTTAGTTGTCTTCCTGTAGCTGAATCAACAAGTTATTTTCAACTCAATTTTATGACTTGCGAAAAAG
CTTTTGCCCTGTTGTGTACCATAACATTTAAAAGAATGGAAAATGACTGAAATCCAATTTAGATTATTTTT
AGAGTATTTTTCCAGCAAATTCAATTTATTCTGAAATTTAAATCCAGATCTTTTCTAATATGGTATTACAA
TGAAAAGAATAAAGAGAAGATTTGAATTTTCAGTTTCATTTTCAAAAACTATTTACCAAAACAAATGGAGA
AGAAACATCCAAAAGCACATTTCATTTCTCCAAACTTTGTGTTTTAAATTATAGTTATAAATTGTAAGGTA
ATTTTAAATTGTCCCTCGTATTATTTCTCCACGTCTGTTTTAGTTTAATGTCTCCTAAGCTTTTCTCTCAT
AGCGTAGACCTAGGGAAGGGATGGGAAGATTGCCCAGTCCCCGATGGCTGCGCACACAGGAGGCGGCGGAG
CACAAGGCAAGTGAGTTTGCACTGTCAGCCCCAGACCGTAAGCTTGGCTACACTGATGTTTTTCTTTACTA
AGGATACTATTCAAAAATTAACATTTTCATCTCAGTAAGTTTTTAGAACATCAAAATGTTTTCTGAGCTCC
AAGTGGCTAGGTTGTAAAAGTTTTATAATAATTTGCAATTAAAATACATGATACATATTAATCCATTAAAG
ACTAGTGGGAATGTATCAGCCAGAGTAGCAAGTAATTTTTGTTTTATAAATCATAGTATCTGTCATCTTGC
AGTATTACCAATGCTGTTGTAAATTGAATTTAAAGTGGTATTAAAAAAAACTGTTAAACAATTTTTATCTG
TTTGTATATCTTACTATAGATTATGTACAAGTAACATCTAAATAAAATTACACTTTTAACCCTAAGAGGAA
AAAAAAAAAGGGCGGCGCTCCCGATCGGACGCG

Table1 4539

ACCATTAAGGAAAAGAGATTTAAATGCAATGTGCCTACATTCTATCTAGAGGGCCCATTCTTCAG
TTCTGACTTCAACAACAGGACTAGGTTTACTGGCATTCATGTCCAGTGAAAGGAAGGCGGTTAGGAGGAGT
CGCAATAACTTTCTCTTCTGTTAAGAGCTCCCGTAGCACTCAGCCACTCCCGGTGGTGTATCCTTGTGTTG
GGTAAGCTACCCATATGCCAAATGCGTTCTAGTAGAGGTCCAGACACACACAGGATTGAGGTCAGAGTCAT
TCACAGACATTCGAAGATATGAATAAAAAAACAAATCCTCTCAAATACACAGAAGATAGGGTAGGGCTTCC
ATTATAATAGTAAGTCAGAACACTAAATGTTAAAAGTGGTAGCTGGAGCAATATCAGAGCATAGGCTCTGC
AGGCAGCTCACGTGGGCTGACATCCCTCCCTTCCTTCATAAAGTTGTGTATCAACGAACACGCTGCCTAAC
CTCTCTGAGCATGAGGTCCTCACCAGTAACAGGCAAAAATTATACTTCCTCTTTGGGTTGTCCTGAGGAGT
AAATGAGATAATTTATGTAAAGTGATTAACACAGTACCTCGGCCGCCGCCG

Table1 4543

ctaggttcgaggctggggttaaatcggccgaggtcagcctaggctataaggtgtattttatCAcc
tacagaccatatgcAGACTAAATACAACActtgtGCCTGATTCTGAATGGTATCTTATATCAAAAGGCTCC
CTTAATTTTAGCTcttgcTTCTCAAGCTTCTCTCTCAACTTATCAGAACTGCCTATAGTAACCAAAATGGA
TTCATGAAGAAAAAAATATATTTTAGGAAAACATGTGCAAAAAGCATCTAAGCATCTGTTAACATTAAAAC
CAGAAGGCAGTATGTGCTGCAGAGTACATAAGAAGAGGCTTTAAAATTTAGTAATTCACAACATCCACTTA
GAAGTATTATAGTAATCTTTTAAAGTAACACACCACAATGGTACACGCTCTTCTGCTGCTGTTTGTCTACT
TCCTCCTGCTTCCCCGCCGCCGCCGCCATCATGAGGGAAATCGTGCACTTGCAGGCCGGGCAGTGCGG
CAACCAAATCGGCGCCAAGTTTTGGGAGGTGATCAGCGATGAGCACGGCATCGACCCCACGGGCACCTACC
ACGGGGACAGCGACCTGCAGCTGGAACGCATCAACGTGTACTACAATGAGGCCACCGGCGGCAAGTACGTG
CCCCGCGCCGTGCTCGTGGATCTGGAGCCCGGCACCATGGACTCCGTGCGCTCGGGGCCCTTCGGGCAGAT
CTTCCGGCCGGACAACTTCGTTTTCGGTCAGAGTGGTGCTGGGAACAACTGGGCCAAGGGGCACTACACAG
AAGGCGCGGAGCTGGTGGACTCGGTGCTGGATGTTGTGAGAAAGGAGGCTGAGAGCTGTGACTGCCTGCAG
GGTTTCCAGCTGACCCACTCCCTGGGTGGGGGGACTGGGTCTGGGATGGGTACCCTCCTCATCAGCAAGAT
CCGGGAGGAGTACCCAGACAGGATCATGAACACGTTTAGTGTGGTGCCTTCGCCCAAAGTGTCAGACACAG
TGGTGGAGCCCTACAACGCCACCCTCTCAGTCCACCAGCTCGTAGAAAACACAGACGAGACCTACTGCATT
GATAACGAAGCTCTCTACGACATTTGCTTCAGAACCCTAAAGCTGACCACGCCCACCTATGGTGACCTGAA
CCACCTGGTGTCTGCTACCATGAGTGGGGTCACCACCTGCCTGCGCTTCCCAGGCCAGCTCAATGCTGACC
TGCGGAAGCTGGCTGTGAACATGGTCCCGTTTCCCCGGCTGCACTTCTTCATGCCCGGCTTTGCCCCACTG
ACCAGCCGGGGCAGCCAGCAGTACCGGGCGCTGACCGTGCCCGAGCTCACCCAGCAGATGTTTGATGCCAA
GAACATGATGGCTGCCTGCGACCCCCGCCATGGCCGCTACCTGACGGTTGCCGCCGTGTTCAGGGGCCGCA
TGTCCATGAAGGAGGTGGATGAGCAAATGCTTAATGTCCAAAACAAAAACAGCAGCTATTTTGTTGAGTGG
ATCCCCAACAATGTGAAAACGGCTGTCTGTGACATCCCACCTCGGGGGCTAAAAATGTCCGCCACCTTCAT
TGGCAACAGCACGGCCATCCAGGAGCTGTTCAAGCGCATCTCCGAGCAGTTCACGGCCATGTTCCGGCGCA

Table 6
786/3331

AGGCCTTCCTGCACTGGTACACGGGCGAGGGCATGGACGAGATGGAGTTCACCGAGggcCGAGAGCAACAT
GAATGACCTGGTGTCCGAGTACCAGCAGTACCAGGATGCCcaCAGCGgaaggcaGGAGGGCCGAGTTCGAA
GgcaGGAGGCTGAGGAGGAGGTGGCCTAGAGCCTTCAGTCACTGGGGAAAGCAGGGAAGCAGTGTGAACTC
TTTATTCACTCCCAGCCTTGTCCTGTGGCCTGTCCCACTGTGTGCACcaTTGCTGTTTTCCCTGTCCacat
ctcATGGCTGGACAGaCACCACCagttaaagcattttcatcgtgaaaccccaaaaagaagagaagccgggt
ggagcccggtcccttgggatgtcttcccttgggtggggcgcacgagcttcccaccgctatcccccacgcct
tctcccgctttggtccctcccctgctggtctcgcctctcattggcccgagtgctcgcggcgcttaatctac
ggacgcctcaggtccttggagcccgccaggttgtgactacaccgcgtccgccgaggtggcggcaaaggccc
tgcgacgtgcgacgagtgcgcgcctgctcgcgtggtagcaatgcgagccccgtgtcctgttcgtggaggcg
gtggacctttcgatgggagcgccactacgcttacagcaagcttttacttgcgtgtactcgctgccgtttca
cgcttgtgacaagtgttcagtggtgttccaagtatcctggcgtatcgcggcggattgcaaaggtgttgggt
taccggcgtacggtctttggccttttgtcggggctctctctg

Table1 4547

ACGTAACAGGACATCAATAAATATTAGTTGAATGGAAGATTAAATCAACAAAATGGGTGATGGAT
CTCTGCAGTAAGTGGAAGAGTTCTTCATGGCCCCCAAGGTTATATCCATCTAGAACTTCAGCACGTAATTT
CATCTGGAAATAGTGCCTTTGCGGATATAAGTTAGGTAAAACTGAAGATGAGATCATACTGGATTAGGATG
GGATCTAAGTCCAATGAAAATGTCTTCATAAAAAACAGGAAAGAACCCATAGAAACACAAGGAAGAAATGGTC
ATGTGAAGATGGAGGCAGAGATTGGAGGGATGCAGCCACCGGCCCAGGAATGCCAGCAGCCACCCAGAAGC
TGGAAGGAAATGAGGGATTCTCTCCTAGAACCTTTAGAGAGAACATGGTCCTGTGAACAGCTTGATTTTGG
ACTTGCCCATAGCTTGTATACTCTTACTTTGGATACAATTTTATCCAAACTTGGCTAAACAGTTTCTCAGC
CTATGGAAAATTTAAAATGGAGAAGATTCAACTCGATTCTTACAGATTCAAAGCAAGAAAATGATGGGAAC
ATAGGAGGAGACCAAGAAAGCCTATAAAAAGCAAAAATATGAAGTGAACATTGTGGTAGCTTTAAGATGTT
TAGTGTAGCTGCAGGCACCCTATACACATGAAAACCCCCAAGGGGAATCCCCATATCACAGTGTAGTGTGA
TATTTGACATTCGTGATCATCTAGAGATGTACAGAAAAGGTGAATCTGTGTTCTGTATATTCTGCCTAAGG
CAAAGAAATGTTTAGCTCTCTTTAAAATAGTTCCATAATTTTTTCTAAAAAGCTTTGCTTGAAAACTGTAA
GCTTCCCATATCTGGAGCATTTCACTTTAAATATTTGGATAAATATGTTATCTTCTTACTTGGACATTTCA
TGTGTTTAGGGATTGTCTTCTAAATTCTTCCTAATTCATATAGCTGCTAACACTTCCCGCAGAGCTAAACC
ATTACAGATATGAAATAAAGACCTATTGATTTGACTTACTTTTACTTGTAAAACCTTCTGAGTGTTATAAC
CTCATTTAATCTTTCAGCATTTACAGTTTCAAGAGTTTGTGTCACAATTAGAAGAATTCAGCTGCACCTCC
AAGTGACAGCAGTTGCTCTGGTTGGTGGGTGATCTCAGGAGGCTTGAGAATTGCTTTGTCTGTGAGGGAAG
TAAGACATTTTCAGAGCCCCACTTTAGAAGGTGTGAACTGGCTAGATAATGAACCCCAGGGCTAACGCTGC
TATAGCAGTGGGAAGGAGGTGATGGGTTTTCAGTTTGGACCTCAAACATCAATACCCTCCTGGTACCTCGG
CCGGCCCCGCGGGGGAGCTCAATTGCCCTATAGTAGN

Table1 4549

NGTACGCTTCCCTTGGCACCATGTTATACCATCTGTGCTGGGCTGAATAGTGTCCCCCCAAAATT
GAATAATGTCCCCCCAAAATTCGTGTATACCCTGAACATTAGAATGTGATCTTACTTGGTATTACTTGGTA
TAGGGTGTTGTAGAAATAATCAAATAAAGATGAGGTCATACTGCATCAGGGTAGACCCTAAATTCAATGAC
CAGGATTTTTATAAGTGAAAGGAGAGGCGGATTCAGAGAAAAAGACACAGACACACACAGAGAGAAGACAG
CCATGTGAAGACACAAGCATAAATTGAAGTGACACAGCTACAAGCCAAGGAATGCCAAAAATTGCTGGTAA
CCACCAAAAGTAGGAAGAGGCAAAGGGGAGTTTTTTTCCAGAGACCTTGGCGGGAGCATGGCCATGCCAAC
AACTTGATATCAGACTTGTAATCCCTACATCTATGGCAGAATAAATTTGTGTTATTTTAAGCCACTAAGTA
TGTGCTAATTTCTTATGGCAACCCTAGGACATTGATGTGCCATTGGAGTAGCCTGTTACCACTTTGAGAAC
AAGAAGCTCACTTTGATGCNNNN

Table1 4550

ACCTACATCACGAGTGTTACTTGAATGGAGATGTATAAAGTGCATTTTAAATTCATTTGTTTCCT
TAACATTTTCCCTTCATTTCTTATCTTTTCAGAGTTTCTTCTTCAAGGTCTCAAGGTCTGAAGCATCCCAC
AGAATGATCCTACTGAATAACTCCCATAAGTTGCTGGCCCTATACAAATCCTTGGCCAGGAGCATCCCTGA
GTCCCTGAAGGTCAGGGAACAGTGGGAGGTCAGGGTATGGGATGNNGGGTGNTGAAGGATGAGAAATAGC
AGGCTTGTGATTCTAGTCCTTCCTGACTGTTTGCAGAGGGTTGGAGCTGGGAAACAGGATGGGACTGGGGG
CACAGGCTGCATATCAAGAGCTGCTGCTTCTCTTTGGGN

Table1 4552

NNNNNNNNNNNNAAAAATATTTCAAATAGGTTAGTTAGGAACAACTTTACTCAGAAGACGTATTT
GAGCAAAGACATGAAAGAGGTGAATAAAGCATGTGGATATCTAGAGACAGAGCATTCCAGACAGAAGGAAC
AGCAACTGTAAATAGCAGGGGCAGAGTGTGCCTGCCACTGGTCAGGGCAGAGAGTGTGAGGAAACAAAGGT
AAAGAAGTAAAATTTTTTCCAGCTATCCTGTTTCTAAGTTCCAAAAGCTATTTCTTCTTTTGAATATTTCA
TTTTATAGGACTTATTCTCATCTTTTGATGAAATACCTTCCCTCATGTCTCCCAGGGACTGGTATCTTTTT
AAGTTTTCTTCAGTTCCCCTGCACTGTTTCTGCTTCCTTTGAGTTCCCCTTTTTTCTGTTTGGTTTGCTTG
GTTATGCTCTCTTTTATATTACAGGCCCTTTCCCCCAAATACCTGGCTTTTTGTTCACATTAAATAGTTGA
CTGGCAGTTAGGTGAGGAGTGGGGGCAAGATAAGGAATGAATTTTTTCATTTGAGGATCACCCCCACATGA
CTTCATCTTCCGACTGCTCAGTTTACCCAGAGGTATACTGCCACCCCCAATTTAGGGAGTAGGAGCCAGGC
TGTTAGTGTTTCGAGACCAAGCAGGGAAGGGGCAGAGAGCCTCTTGCTAGTGCTCCTCTCTGCAGTTTTAC
AGTACGGTTTCTCCTGTTTGCTAAATCAGTTGTCACTAGACTATCTGTTTCCCAGCTTCTAAAATCTTAAA
ATTATAAAACTTTAATGCTAATAATCTGAAGTTCTTTGGGGTTAGTCCTTCTGTTTGTTATTTGTGCN

Table 6
787/3331

Table1 4555
AGATGGAGTCTCGCTCTGTCGCTCAGGCTGGAGTGCAGTGGTGTGATCTCAGCTCACTACAACCT
CCACTCCCTGGGTTCAAGCCTCAAGCCTCCCGAGTAGCTGGGTTTACAGGCATGTGCCACTATGCCCGGCT
AACTTTTGTGTCTTTGGTAGAGACAGGGTTTCTTCATGTTGGCCAGGCTGGTCTCGAACTCCTGGCCTTAG
GTGATCTGCCTGTCTCAGCCTCCCAAAGTGCTAGGATTATAGGCATGAGCAATCACGCCCGGCCTATTGGT
TTATTTCAATAAGCAGTTATGAGTAAAGAAAGATAAAATACTAGCTCTATGCATTATTAAGTAAAATACAT
AGCTTCTGACACAGCTACTTTTTTGCTCTCCTGTGAAGCCTTTTAAAACTTTCTCTGAATTCCTGATTATGT
TCTGAAAGATAAAGCTGCTAAAACTGGGCTCCAAGGATAGTTACTGCAGGAAAAAAACTGAAGGCTAAANN
NN
Table1 4556
cGtcCGGCGGGATGGCTGCAGCGGCGGCCGGGGCCGGGAGCGGGCCCTGGGCGGCCCAGGAGAAG
CAGTTCCCGCCGGCGCTGCTGAGTTTCTTCATCTACAACCCGCGCTTCGGGCCGCGCGAAGGACAGGAGGA
AAATAAGATTTTATTTTATCATCCAAATGAGGTAGAAAAGAATGAGAAGATTAGAAATGTCGGATTGTGTG
AAGCTATTGTACAGTTTACAAGGTAATACCTCTAAGTGTGCTTTTAGCGTTCAGTGAATTCTTAAAACTGC
TGCTGGAGAATTGTCCCAAACATATTTTTTTAACCTTTGTAGGACATTTAGCCCATCAAAACCTGCAAAAT
CTTTACATACACAGAAGAACAGACAGTTCTTCAATGAACCAGAAGAAAATTTCTGGATGGTCATGGTATTT
ACATACACAGTGTATCTTTCTGAAATTGTATGGTGAAGTTATGGGTGATCTTTACTGTTCAGAATTTAGGA
AAGTTCTCTGGCTGTTGCATCCAAGTAAAATTAAAATAAAATTGGTTGCAATTTTAAAATCAAGTTCTTCC
TATTTGCTTTATTCATTCTTGGGGCTGTTTTAAGAAGCTATGTTTCTGATGCTGTAGCATGTTCAAAGTTT
TTAAATTAAGGCAAAATAAACATGGTCTAATGAATTCATTGTATAATTTCAGTTTATCAAACTTTGTAGGT
TGTTCGGAATCCTATAATTGAAAAACAGAGTAAAGATGGAAAACCAGTTATTGAATATCAAGAggAgggag
tTGTTGGACAAGgtttAtagctCGGTGCTgcggCAGTGCTAcagcATGTACAAGCTTTttAATGGTAcATT
TCTGAAAgccatgGAAGAcggaagcGTCaaGCTtctGAAAGAAAGATtagagaAATTCttcatcggtATTT
GcaaACGctacttttgcgntcatgtgacctacttga
Table1 4557
NNNNNNACCTTTAAAATAGGTNGAAGATGAAAGATGCCATTGAACTACTAGGTTTACCCTCTCAT
TTCCTTTATCTTCAACTTATTTTCTTTGTGTCATCTGAATCCTCCAGATATCTAACTTTTCCTTTTTATGC
CTTTCACATTTCCACTGGAGATCACTTTGTCCCCTTCCTTAAGGTTCTGTCGGGAGAGATTTAAGAGTTGG
TTCTAGCTAAAAAATATGGCTGTAGCTCTGAAGATGACATAAAAGTTTTTCCCTATGCCTAAGATTTCAAA
TATATGTATACATTTGAAAGAAAAAACAGGGAGAGCATTATTTTTTTGTCCAGATTATTTTTGCTCATTGT
AGGTAAAAAACAATCTGTGTATATATGTGAAATAAAACAAAAACAGAGACAAAAAAAAAACCTTTCAGTCC
CTACATAATAACTCANAAATAAAGTTTCTTCAGCCAGCTATGGGGATGGGGGAAACAATTCCCANNNN
Table1 4558
NNCTGAAGCACGTTGGGTGAGAGAAAGAAAGAAATCACATCCTTTATCCTCCCACACAGCCAAAG
ATTCCTGAAGACAGAGCTGATGCCATGTACTCAAGTGGGTCTCTGCCTCTCAGAGGTGGCCTTGGTCTTCA
AGTTTCAGCAATTCTGGGAAGCCAAGGACACCTCCATCTCCTCCTCCCTGATCTGCAACTCATCTAAGAGC
AGCTTTCTCATTGGAATGTCTTGTGTTTAAGGAACAAGAATCCCTGTTTCCGGTTTGGGTGCCCAAGTGCA
CCTACTGGATCCAACCCAGGATTGGAGATACTTTGCAGAACACAACATCATCTGGCACATGACCAGCCATG
GTGTTTCACTTTCACAATTTCAGCTTCCTTCACTGATTGCAGCATAATCGTGGTTCAGCAGCCTCCAAGAC
CAGGGCTGATGTGGGCGGCTACAGGGAGAAATTGAAGAGGAAGTTCTTGGTGGTGCCCTCCATGAGTACAA
AGAAGCCTCAGTCCCCAGGACACCCTTCCGTGCATGGTGTCACTGACATCTTTATTTCTTTTGTCACGTTC
TGTAAATCACAATGAATGGGGTATTCTTCTTCTATTATATATTTGTTAAGTCTTTTTTGGCATCTTTAAAA
AAAAGTGGTAACTTTATCCTATGTAATATCCCTGTTAAGTCCTAAAAGTCTTTTCTGATGTCTATTTTGTC
TGAAATTTGCACAGCTACTATAGCTTCATTTCGGTTCATATTTTCATAATCCATGTTTTCTCATCCTTTTA
TATTTGTGAATGTGTAAAGTAACTTTCTTGTGCATAGCTAAGAGTTTGGTCTTGCTTTTTTAAATCGACTA
TAAGTTCTATTTTTAAACTAATATTTTCTCTTATTTTTTGTTTAAGATAGCATTTCATAATGATGTTTATT
TCTCCATTAACATATTACCTAATTCACTTTTTATAAATATTATATTTGTTACCATAAGGTTTGCAAAAGGA
GCGATTCTTCATTTTGGAACCCTTTCTTATTTTCTGGGTACGACATAATGTAAAGCAGGCTTCGGATAGTG
GATCTGGGGACCAAGTTTGAGGTAGTGGAAATGAGACATTGCTGAACAAAAGAGAACTGGGTTTACCTGAC
CCTCTAAAGCGCTAAGT
Table1 4561
AGATGGAGTCTCGCTCTGTCGCTCAGGCTGGAGTGCAGTGGTGTGATCTCAGCTCACTACAACCT
CCACTCCCTGGGTTCAAGCCTCAAGCCTCCCGAGTAGCTGGGTTTACAGGCATGTGCCACTATGCCCGGCT
AACTTTTGTGTCTTTGGTAGAGACAGGGTTTCTTCATGTTGGCCAGGCTGGTCTCGAACTCCTGGCCTTAG
GTGATCTGCCTGTCTCAGCCTCCCAAAGTGCTAGGATTATAGGCATGAGCAATCACGCCCGGCCTATTGGT
TTATTTCAATAAGCAGTTATGAGTAAAGAAAGATAAAATACTAGCTCTATGCATTATTAAGTAAAATACAT
AGCTTCTGACACAGCTACTTTTTTGCTCTCCTGTGAAGCCTTTTAAAACTTTCTCTGAATTCCTGATTATGT
TCTGAAAGATAAAGCTGCTAAAACTGGGCTCCAAGGATAGTTACTGCAGGAAAAAAACTGAAGGCTAAANN
NN
Table1 4563
CGTACTTCGGGAAAACAAGAACTGTGCTTCAATGTCTTTATAACCACACTATATGGCTCATTGTA
AATGTTCAACAAATGCTTGATGAATGACTCAATGAGCAAAATTACGCGAAAACACTTGCTAACCTATCTCT
TTTTCATCAAGTATGTAGCAAACACATGCCCACACCTGGCACCAGAAACTATAAGTGCTATCTAAATATCA
ACATTTTATTTGGCCTGTGCACTTATCAGCTAGTGGAAAGCATAAATTATTCCAATAAACAGACGGGAGGT

Table 6
788/3331

GTGGACGCAAAATATCACACCTAGGTCTATCAGAACTAATGACTTTCAAATCAAAGACTGCCTTACCTGAT
AAAGACTTAACTTCATGATTATTTCAACAGGGACTAAAAAAATTACAGGAAATCTTGGAAACCAGCTATCT
GGCCAAAGACACTAATTTTAGAGATGAAGAAACNN
Table1 4564
NNACTATAGGGCAATGGAGCTCACCGCGGTGGCGGCCGAGGTACAACTGATCAGCAAAAATATTA
TGATTAATATGTTAACTGAGGAAGTATATCCTACAATTTAGAAAGATTAATATTTAAAATAGTTAAAATTA
TTGAAAGTTTTAACTTGCCCGAAACAGTCCCTAACCATAAGGGACAATTAATGATGCTATAAAATTCTATC
TAACATTCCTAGTCTACTTGTTGTTTTGGAGGGCAGGCTGCCATTCCTGCCTATTTTAATCTTTCGAAGGT
GGTCTCTGCTCCCATTTAAAGGTATAAGCAATTAAGAGATACAGAACCCTCAGAACTACCTTCTATAACTT
ACCTAATTTCTAAGCTTAAAATGTAATCTAGGCTGGGCATGGTGGATCACCCGAGGTCAGGAGTTCGAGAC
CATCCTGGCCAACATGGAGAAACCCCATCTCTACTAAAAATACAAAAATTAGCCAGACGTAGTGGCAGCCA
CCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCACTCGAACCCAGGAGGTGGAGGTTGTAGCA
GTGAGCCGAGATCGTGCCACTGCACTCCAGCCTGGGCAACAGAGACACCTGTCTCAAAAAAAGATATAAAA
AAATAAAGT
Table1 4565
NACTGACAAAAATAAAAAGCAAACAGCCTAACGCTTGGGTACAAGTGGCTTCATGCCTAATAATC
CATAGCACCCTTGTGGGGCTGAAGGCGGGGAAGACTTGTCTTGAGCTTCAGGAAGTTAGAGGGCTGTAGTG
AAGCTTACGAACTTGAGTCCACATACACTCCCAGTCTTAGGCAAACAGAAGCAAAGACTCCTGTCCTCAAA
AATCAAATAACAAAAATCAAAATAACAGAATATTTGTTGCCAGTGATAAAGTTAGACCCTAAATAAAAATT
AGAACTTTAGAAAGCATGCATTCACCACCATGAACTTTAAAGCAACCCAATATTTAAAGACCTTCCTGACG
AAATCAGTGGAATTATTAACAAATGTCTTTATTTAATACTGTATGATAAAATGTGTCAACATTTAGAAAAT
CTGCGTAACTCAAAGAGCCAGTATTTTCCAGAAGACCAATGTATGATGAATCAAAATCACACGTG
Table1 4567
GGGAGTCGACCCACGCGTCCGCGGGATCTGTCCGAGCAGGAAGCCAGCCTCAGCCCGGCCGCTGT
CGCCGCCCTGTCCTGGTGCCCGTCCGCGTCGTCGCCCTCTTCACTGGCCCTCATCACTTCTCACCGCGCCC
TCCAGCTTCACCCGTACAGGTAGCCCCGCCGCCGCGCACCTGCCTTCGCTCCCGCACCGGTGACAGTGGAT
AGTGGAAACAGGAGATCGTGGATCCTCCTTCAAAAATGGAGGATGGAAAGCCCGTTTGGGCGCCACACCCT
ACAGATGGATTTCAGATGGGCAATATTGTGGATATTGGCCCCGACAGCTTAACAATTGAACCCTTGAATCA
GAAAGGCAAGACATTTTTGGCTCTCATAAACCAAGTGTTTCCTGCAGAAGAGGACAGTAAAAAAGATGTGG
AAGATAACTGTTCACTAATGTATTTAAATGAAGCCACACTGCTCCATAATATCAAAGTTCGATATAGTAAA
GACAGAATTTATACATATGTCGCCAACATTCTGATTGCAGTGAATCCATACTTTGACATACCTAAAATATA
TTCTTCAGAAGCAATAAAGTCATATCAAGGAAAATCTCTTGGGACAAGACCACCTCATGTCTTTGCAATTG
CTGATAAAGCTTTTCGAGACATGAAGGTGCTCAAGATGAGTCAGTCTATCATTGTATCTGGAGAATCAGGA
GCCGGCAAAACAGAAAATACAAAATTTGTTCTAAGATACCTGACTGAATCCTATGGAACAGGTCAAGATAT
TGATGACAGAATTGTTGAAGCTAACCCACTCCTAGAAGCCTTTGGAAATGCGAAGACTGTTCGCAACAATA
ATAGCAGTCGATTTGGGAAATTTGTAGAAATACATTTTAATGAAAAGAGCTCAGTTGTTGGAGGATTTGTT
TCACATTATCTCCTAGAGAAATCTAGGATCTGTGTTCAAGGCAAAGAGGAAAGAAATTATCATATCTTTTA
TAGGTTGTGTGCTGGTGCTTCTGAAGATATTAGAGAAAAACTTCATTTGAGTTCACCAGATAATTTTCGGT
ATTTAAACCGAGGCTGCACTAGATACTTTGCTAACAAAGAAACTGACAAACAGATTTTACAGAACCGCAAA
AGTCCTGAGTACCTTAAGGCAGGTTCTATGAAAGATCCTCTGCTAGATGACCATGGTGATTTTATTAGAAT
GTGCACGGCTATGAAAAAAATTGGTTTGGATGATGAAGAAAAGCTTGATCTCTTCCGGGTAGTAGCTGGCG
TCCTGCACCTTGGAAATATTGATTTTGAGGAAGCTGGCAGCACTTCAGGTGGTTGTAATCTGAAGAATAAA
TCTGCTCAGTCTTTGGAATATTGTGCTGAATTACTGGGTTTGGACCAAGATGATCTTCGAGTAAGTTTGAC
CACAAGAGTCATGCTAACAACAGCAGGGGGCACCAAAGGAACAGTTATAAAGGTACCTCTGAAAGTGGAGC
AAGCAAACAATGCTCGTGATGCCCTGGCAAAGACAGTGTATAGCCATCTTTTTGATCATGTGGTAAACAGA
GTAAATCAGTGTTTTCCTTTTGAAACATCATCCTATTTTATTGGAGTCCTAGATATTGCTGGTTTTGAGTA
CTTTGAGCATAACAGTTTTGAACAATTTTGCATCAACTATTGCAATGAAAAACTTCAACAATTTTTTAATG
AAAGGATTCTGAAGGAGGAACAAGAACTCTATCAAAAAGAAGGTTTAGGTGTTAATGAAGTGCATTATGTG
GATAATCAGGACTGTATAGATTTAATTGAAGCCAAATTAGTGGGAATACTGGATATTTTGGATGAAGAAAA
TCGCCTTCCCCAGCCAAGTGATCAACACTTTACATCTGCAGTTCACCAAAAGCACAAGGATCATTTTCGAC
TCACTATTCCCAGAAAATCTAAGCTGGCAGTTCATAGGAATATCAGAGACGACGAAGGCTTCATTATCAGG
CATTTTGCGGGGGCAGTGTGCTATGAAACAACCCAGTTTGTGGAGAAAAATAATGATGCTTTACATATGTC
TCTTGAATCCTTAATATGTGAATCCAGAGATAAGTTTATACGGGAATTATTTGAATCATCCACAAATAACA
ACAAAGATACTAAACAAAAAGCAGGAAAACTTAGCTTCATCAGCGTGGGAAACAAGTTTAAGACACAGTTA
AATTTGCTTCTGGATAAACTTCGAAGTACTGGAGCAAGCTTTATTCGTTGCATCAAACCTAACTTAAAGAT
GACAAGCCACCACTTTGAAGGTGCTCAAATTCTGTCTCAGCTTCAGTGTTCAGGGATGGTGTCTGTTTTGG
ACTTGATGCAGGGTGGTTACCCATCACGAGCTTCATTTCATGAACTCTACAACATGTACAAAAAGTATATG
CCAGATAAACTTGCAAGATTGGATCCAAGACTATTTTGTAAGGCTTTGTTTAAAGCTTTGGGCTTAAATGA
AAATGACTACAAGTTTGGGTTAACCAAAGTATTTTTTAGACCTGGCAAGTTTGCAGAATTTGATCAGATCA
TGAAGTCTGACCCTGACCACTTAGCAGAGTTGGTTAAAAGAGTCAATCACTGGCTCACATGCAGTCGCTGG
AAGAAAGTTCAGTGGTGCTCACTCTCAGTCATCAAATTGAAAAACAAAATAAAATATCGAGCTGAAGCCTG
CATTAAAATGCAAAAAACTATTCGAATGTGGCTTTGCAAGAGGAGACACAAACCTCGCATTGATGGTCTGG
TTAAGGTGGGCACACTGAAAAAACGACTTGATAAATTTAATGAGGTAGTCAGTGTGTTGAAAGATGGAAAA
CCCGAGATGAATAAACAGATCAAGAATCTGGAAATTTCTATTGATACTTTGATGGCCAAAATTAAGTCCAC

Table 6

TATGATGACGCAGGAACAAATCCAGAAAGAATATGATGCACTGGTTAAAAGCTCAGAGGAACTCCTCAGTG
CATTACAGAAAAAAAAACAGCAGGAAGAGGAAGCAGAAAGGCTGAGGCGTATTCAAGAAGAAATGGAAAAG
GAAAGAAAAAGACGTGAAGAAGACGAAAAACGTCGAAGAAAGGAAGAGGAGGAAAGGCGGATGAAACTTGA
GATGGAAGCAAAGAGAAAACAAGAAGAAGAAGAGAGAAAGAAAAGGGAAGATGATGAAAAACGCATTCAAG
CTGAAGTGGAGGCACAGCTGGCCCGACAGAAGGAGGAGGAATCCCAACAGCAAGCAGTTCTGGAGCAGGAG
CGCAGGGACCGGGAGCTGGCCCTGAGGATTGCCCAGAGTGAAGCCGAGCTCATCAGTGATGAGGCCCAGGC
CGACCTGGCGCTGCGGAGAAATGATGGAACAAGACCCAAAATGACACCGGAACAAATGGCCAAAGAAATGT
CAGAATTTTTGAGTAGAGGTCCTGCTGTACTAGCCACCAAAGCAGCTGCTGGTACTAAGAAATATGATCTT
AGTAAATGGAAATATGCAGAACTACGTGATACCATCAATACTTCTTGTGATATTGAGCTCCTGGCAGCTTG
CAGAGAAGAATTTCATAGGAGACTAAAAGTGTATCATGCTTGGAAATCTAAGAACAAGAAGAGAAATACTG
AAACAGAGCAACGTGCTCCAAAGTCTGTTACTGATTATGATTTTGCACCATTTTTGAACAATTCACCTCAG
CAAAACCCAGCAGCTCAGATTCCTGCCAGGCAGCGGGAGATTGAAATGAACCGACAGCAACGCTTCTTCCG
CATCCCATTCATCCGCCCTGCCGACCAGTACAAAGACCCTCAGAGTAAGAAAAAAGGCTGGTGGTATGCCC
ATTTTGATGGACCATGGATTGCCCGGCAAATGGAACTCCATCCTGACAAGCCACCCATCCTACTTGTGGCT
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GATCTTGCCAAGACAGTTTGAAGAAATCTGGGAACGCTGTGGAGGCATCCAGTACCTTCAGAATGCGATTG
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CCATATAACTGGAGTAATAAAACATGAGCTTACATTCTTACAATAACTAAACCACTTAAAATGATCAAGGC
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GGTGGAAAATCTATTTTTTTCCTCCTTTGCAGTGTCTTAGTTTGAATGAAACACTTCGAAGTTCTAGAATT
CTAGAAAGAGCCTTAATGTATTTGATGTATTCTGTGATAAGAGGTACTAATAGTATCCAGCACAGATTTGC
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TTCAGATTGTTTAAATGCCTAAAAGTTTTGAGATAAGTTTTGTTTCAATTAGAAAAGGAAATAGGTTTTAG
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AGAATCTTGTCCAAGTTGTTTCATTGATTTAGTAAGTGTTCTGCTTCCAACATCTTTCTTTTTAAGAAATT
CCTAGTGTCTTTTTTGGCCTTTGAGGTTTTGGTAATTGTAGACCTGTTTCATAAGCTTTGTAATTCAGAAA
TCCTTGTATTTAGTAAGTGCTTGTTTTACATAACTGATAATTTTAAAATGTTTTCTTTGTGTGCTGTTAGT
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TAAATTCACTCATATTTTAATCATTTTAACTGAGATTTAAAATTAGAAGTTTAAACCACTATATATAAAGA
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Table 6
790/3331

GTTGTGTGCCCCTAAAGATTCTGCACCCCCAGTTTGGAAACACTGATACATTTTAGGACACAGAGCACTCC
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CAAAAggGGAATCTTCAGTAcAAATTTgttTTTTTAAAAATagatTtaagGCTGGGCGtggtgGCTCAcgc
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Table1 4568
NGCATATGGCTTTCTAAATTCCCCAGTAACACATGGCAGCTTTTCAATGCACTAAATCTCCAAAG
AATCTTTCTTCNCAGGTTGCAGCATATCTTTTGTGTGCCTTAACAGTAATCTTTTGCTTCAGGTGACGGTG
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AACTCTTCACTGGGGCTCCCGGACGCGTGGGTCGACNN
Table1 4569
NAACAAGTACATGTAAATGAAAATATAGGTACCCCTGAGCCTGGAGAGCACCAAGAGGCCAAGAA
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GTCACAGAAAAATAGAAACTTGTGGTTCCAGGAAATCCGAGAGGTCTTGCAAAGGTGCTCTTTATAAAACC
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AGACGCGGAGCAGTAN
Table1 4570
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Table 6
791/3331

ACTGATAATTTTTCTCACTTTTTTTTTGTTTTAGGGTGAAAATCCTATTTATAAGAGTGCCGTAACAACTG
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Table1 4573

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AAAATGGCTAAATTCGTGATCCGCCCAGCCACTGCCGCCGACTGCAGTGACATACTGCGGCTGATCAAGGA
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TACACAGGCCGAAGTTACTGAGAACTTGGACAGAAAAAATAGCCAGCAAGTGTTCAAACTACTGAGGAAAA
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TCAGGCTGGAAGAAATGAGCAGAAAACAAGGGATGAGTACTTTTTAGAGTATGTGCATGTTACGTAATACC
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cttccga

Table1 4574

NNNNNNNNACTCTTGGAGCTTGGCCATGTTAGTCTTAAAAAGCCCCGGAGAAAGGACCCTTCTGA
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ATGCAGATTAAGATAAGAACATTAAACCCCAAAAATGATGGGAAATCACTCTGTCTTCAAAACAATAGAAA
ATAATAAAATCTAGTTATAAAGATTATATACCATTGTCACTAGTAAGAAGTGGCACTCTTATTTACAAAAC
ATAAAGAAATTAGGGTTTAGGTCTGGCATGGTGGTTCACACCTATAATCCCCAGCACTTTGGAAGGCCAAG

Table 6
792/3331

GCCAGAGGATTGGCCAGGAGTTCGAGACCAACCTGGGCAACATAGACAAAATTAGCTTGGTGTAGTGGTGT
GCGCCTGTAGTCCCAACTACTCAGGAGGTTGAGGTTGGAGGATTGCTTGAGCCCAAGATTTTGAGGTTACA
GTGAGCTGTGATCACATCACTGCGCTCCACAAGGCAACAGAGTGAGACTCTCN
Table1 4576
NNNNNNNNCAATTAGTATATTCTTCTTGTACCTTCCAGTATACACTCTATTTAATACCAGAACCC
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GGGATGAGAATCCCACAGAAAACTCAGGAGTGATGTAACAATGCAAATGCTCACAAAATCTCTTTCCTCAT
CTTTCATTCCCTATTTGGAAGGAAAGGTTTCAAAGACATTGGATGTTGGTATAAATGACCATCTTCCTTCC
ATTATTTTATAAACATTTGTCCTGGTGCAGGGGTAAAAACAACTGGGGACTGCCATTACAAATTATACCTA
TTGAGAGTTGGGTAAAGAGTTACCATTGGATCCAGTCCACCAACCCAAATGTTTTTCTACATGTATT
Table1 4578
NNCGACCCACGCGTCCGCCATGGATGACAACAAAAGTGAGTTGGCTTCTCAAGAACTTTTACCAG
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GTGCATGTTCAGTTGGATCCCCCAGCTCAGCCTGGGTCATCCCCACGTTCTGCCTCTTGGGCCATACATAG
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GACTTCTTTCAGCATGAAGCCCACTGTTTTGCTGAACGTATCTCACTGTTTCCTGAAACTCAGTACATTCA
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CCCCACTCCACCCCTGCCAATGAGGACATTGCTTAGAGGTATTTCTATCAGTGTTGAGTAGAAGAGATCAT
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Table1 4579
NNNACAGGAGTTCAATACCAGCNTGGCAAGAGATAGCAAGACCCTGCCTGTACAAAAAAAGAAAT
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CTGCATCTGCCTTTCTTTAGTGCAGGGTAGTGTCAGTCCCACTGTGGCCCAAAGTTTGCATTCTGCGTTAA
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Table1 4581
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Table1 4582
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Table1 4583
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Table1 4584
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Table1 4585
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Table1 4588
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Table1 4589
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Table1 4590
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Table1 4591
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Table1 4592
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Table1 4593
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Table1 4595
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Table1 4596
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Table1 4597
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Table1 4599
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Table1 4601
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Table1 4602
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Table1 4604
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Table 6
798/3331

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Table1 4606
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Table1 4607
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Table1 4609
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Table1 4610
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Table1 4613
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N
Table1 4614
NCGNCCCGCCTGCGAGTGCTCCAGGAGCTCGCCGACCTCGTGGACGACAAGGAGTAGCCGCCTAG

Table 6
800/3331

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Table1 4617
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GTTGTTTTCTCTCAAAATCCATTCCTTTAAAAAATAAATCTGATGCAGATGTGAAAAAAAAAAAACAAAAA
AAAACCACTGTGTGGGGCCGGGCCGAGAAATCTAAACCCATCGCTGCGGGCGCGGCCCATGTTACGAACCG
CCCACGTCGCAAAGAACCCGGCCGAACCCGGGCGTCTCTCCAAAAAAGCCGGGCGACGAGGGCGTGAACCA
CGGGGGCGGGACGGGCTAAGCAGCGTACCCGCCGAGCGGAGCGACGCACACACCAGAGCAAAGAGAACAAC
ACCGCAGCCGAGGAACAACACGCGAGAACCGTCCACACTAGCTCCCAGAGNNNNNCN

Table1 4618

ACCTGAAGCTTGAATTCCTGAACTTTTTTTTTTTTTTTTTTGTATTTTTAGTAGAGACAGGGTTT
CACCAAATTGACCAGGTTGGTCTCGAACTCCTGACCTAAAGTGATCCGCCCACCTTGGCCCCGCAAAGCGC
TGAGATTACAGACCTGAACCACTGTGCCTAACCTCCCTGAACTTCTCAACATTCTGAGTTAGTCACTTTCC
CTTTGGTTTAAGCCAGCTCGGGTTACTTGCAACCCTAGTTATACAGCCACTTTTCTACAACACAAACAAAC
CACCTAGAATAAAATTCATTTTCCTCCTTTTTTTTTTTTTTTTTTTAATGGAAGGTGGGGAATTCAGAGAGC
AGAAATCTGTCCTGACCAGAGAAGAGTTCTTAACAGGTTCCACTGGTATCCAGGCAAGCTACCCtccagac
tcaaggtgTGAGGCTTACATAGCTGCTCCTCCTCGCTGAAACCCATGATTGCCATGGCCTCCACGGTTTCC
TGGAACATCTCATCATCCTGGGCTGCTGGGATGGGCACAAAGCCATTGGAGAGGAAGGTGTAGTTGTTGAA
GCCCTCCAAAAGCAAGTCACTTCTCATCTTCTCCTTGGCTCCAGCAATCATGTAGTAAAAGATGTGGAATG
TCCTCTCGTCTCTGGCTTGGCGAATTGCCCGTGATTTTTCTAGCAGATAGGTCTCAATGTTGGCTCCCACG
ATGTAACCCGTGACGTCGAAGTTGATGCGGATGAATTTGCCCTGCCAACAGGAAAACACAGTTCAGGCTTT
GCTGCCCAACTTCAGCCGTTAACCCCATGCTGTGGGCAAGCAGGAGGCAGATGGT

Table1 4619

GCGTCCGAAAAAAAAGACTCATGGACTCTCAGTCTCCTGAAGACCATGCGTTTCAATGACTTTTA
ACTTTTTTATTTTATGCTTTTAAAATGATTTCACGTACAAGTACCTTTGATCTTATAGATACTGGGGAGTG
GTAGGTGGTAGATAATGTCAAGTAACGCCCTCATGGTGTGGGTGAGGAAGTGAGGCCTTAGTGTTGTTTGG
ACTGTGCTCAGCCACACATTCTTCTTATTGCCCACACTCCCCAAACAGTGGAGGGTTCTTTTATCTTTGGG
ACAGTTCTCAGATCAATAAAGCCTTTGACCAGAGAGCTAAATTTAAGGCTTTGGGAAATATAAAAATAGAT
CTGAAACTGTTAGTCCTGAGTTCTAGCCATTAGTGGCTAGGTGATTGTGGTCAAATCACTTAAATTGTGTG
TTCTTATCCTTAAAATTGGCAATACTAAAACCTACCTTATGGGGTGGTCACAAGGTTAGATGAAATCATGT
ATTTGAAATTTCTATGTGAATTTTAAATTACTATAAAGATGGGAAATGCTGTTTCAACTTTGGTTCTACAT
CCCTATTCCCAGTGGGGCAGTCCTAGTTATCATAAAATGATATTTTTCTCTTGTTGAAATTAAACTTGCTC
TTATGACCTTTCACTTTTGCACAACTGAGAACCATTAAAATAGATTTCCTGGATACAGTGATTGTCAAACT
ATGGGTAAAGGGCACTGGATAATTGTAGGTTGGTTCGTTGGTTTGTTTTAAGGAATATTTTTATTTTTCAA
AGCACTATTAAACAAATTTTCTTAGAAGGTGTGGAATATGAAAATCATAGCCATGAACATTTGTATGCTTA
CAAAGCTGCCAAATGAAGCATGGCTAGTGAGTCTCAGAGTATTTCGCTCATGCTCAAATGCTGCTTGTCCA
TTTATTTGCCTTCTATATGCATTAGGAAACAGATAAGCTATAAGTANN

Table1 4621

CTCTTTCCACAGTGGCACTTGCCAATTAAAATAGCTGCTATTATAGCATCTCTGACTTTTCTTTA
CACTCTTCTGAGGGAAGTAATTCACCCTTTAGCAACTTCCCATCAACAATATTTTTATAAAATTCCAATCC
TGGTCATCAACAAAGTCTTGCCAATGGTTTCCATCACTCTCTTGGCATTGGTTTACCTGCCAGGTGTGATA
GCAGCAATTGTCCAACTTTCATAATGGGAACCAAAGTATAAGAAGTTTTCCACATTGGTTGGAATAAGTGG
ATGTTAACAAGAAAGCAGTTTGGGCTTCTCAGTTTCTTTTTTGCTGTACATCCTGCACAGCCGTAGATCCC
TTAAACCTTACAGCACATGTTTCCGTGAGCACAGGGTTGGGGCTAAAGTTACAGATTAACAGCATCTCAAG
GCAAAACAATTTTTCTTAGT

Table1 4622

gggtggagtgtaggccaggggttggcggtgccgtgtcatggaggctcagtctctgagcagccat
tgaaggggaaggaactgcgggtgtgtgtgtgtatgtgtgtgtgtatgtgtgtgcgcgcgtgcgtgcgtgtg
tgtgcgcgcgctagtgtgtgggacaagGAGGTGGGGGCAGCTGAGTTAGAGTCCCAACTCTTGGACTCCAT
TTGCTATTCTCTTCTTTCTCCCCCACACCTATCTGGTGGTGGTAGTGGGCGTTTATATTTGCGTTCCTTTT
CATTCATTTCTAAATCTCTTAAAAATTTTGGGTTGGGGGTATTGGGGAAGGCAGGAAAGGGAAAAGGAGAG
TAGTAGCTGAAGAGCAAGAGGAGGACATGGAGATGAAGAAGAAGATTAACCTGGAGTTAAGGAACAGATCC
CCGGAGGAGGTGACAGAGTTAGTCCTTGATAATTGCCTGTGTGTCAATGGGGAAATTGAAGGCCTGAATGA
TACTTTCAAAGAACTAGAATTTCTGAGTATGGCTAATGTGGAACTAAGTTCGCTGGCCCGGCTTCCCAGCT
TAAATAAACTTCGAAAATTGGAGCTTAGTGATAATATAATTTCTGGAGGCTTGGAAGTCCTGGCAGAGAAA
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TCTGAAGAGGAGGATGATGAGGATGGAGATGAAGATGATGAAGAGGAAGAGGAAAATGAAGCTGGTCCACC
GGAAGGATATGAGGAAGAGGAGGAGGAAGAGGAAGAGGAGGATGAGGATGAGGATGAAGATGAAGATGAAG
CAGGTTCAGAGTTGGGAGAGGGAGAAGAGGAAGTGGGCCTCTCATACTTAATGAAAGAAGAAATTCAGGAT
GAAGAAGATGATGATGACTATGTTGAAGAAGGGGAAGAAGAGGAAGAAGAGGAAGAAGGAGGTCTTCGAGG
GGAGAAGAGGAAACGAGATGCTGAAGACGATGGAGAGGAAGAAGATGACTAGATCATTCTAAGACCAGATT
CTCTAATGTTTCTGGGTGTGCAATAGAGTGATCACATCTTTGTTTCTTCATGTACGATAGCTATCCCTACA
GAAGATAATGTGTAACTTTTTATAGGAAAAGTGTGGTTTTACTATTTTTGCCTTATCATTCCAAATAAGAA
CTAGTCTGTTAATGATCATATTGTATGTAGAGAAAAATTTTCATTGACTCCCATTGTGGAATTCCCTAGCA
ATTTATTTAGACTTAATTTTTTAAATTCAAGCTTACTGTATTAGTCATTTTTAGCCCATAATTAAAACATG

Table 6
802/3331

ATCACTTTTACACAGGTGTAGTATGGTGCATTTCATTCCTTATTTATAAATTAACTGAAATTACAGTTTGC
TATAATATAAAATGACAATAGTCTCTTGAGTGGTAAGTTGGTTATTTTTTTAGAGGTGATCCAGGAATCTT
TAGTTTGAAGGCAGTTACCTTTTTTTTTTTTTTTTTTTTTGACTAAGAGTGTTTGGTTGCTTTTTTGTCA
CAAGTAACTTGGAAAATAGAAGCAGAATAGTAAAGGTTCTATTCAGCAACATAGTTCATGGATTTTGTGGA
GGTTCTATTCAGTAATATGGTTCATGGATTTAGTGGTGACTGATAAGATTTTATTTTTGAAGGAAAAATTG
CTTATACTAAGTCCAGAGACATGCAGGTGAGCCCTTTTGTCAGGCTGCAAATCATGACATGCCGATGGTTG
TTTATTTTGTTTTTAGGTGTGCATTCTTTTTCTTCTTAGCAATTCCTTTATGATCACCTTCCCTTCTTGTT
TCACTCCCTCCCGCTCTCTCAAAAGGAACTTGGGAAACTTGTGAAACCCAGGAAAACCTTTAGTCTTATAC
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AGAATATATTATCAATACAGTTTTATGCAGTAAGCTCTCCTTACCATAAATGTTTCTTGGTTGACAACATC
TAAGACAATATTAGTGGGATGAAGAAAGAAAAGCAGGGGTGCTTTTGGAAGCAGTGTTAGTGTTCCTCAAA
AGTCGGAACAATTGCCTGTTGATATATTAATAAGACATTAAAGTCAAATTTTAATGTTGGCCTCTCAAATG
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TTAATTGGAATATACTAGGCAGCTGGAAAAGTATTTGAAACTAAATTGACATTAAAATTAAGATTTGTTTT
CAAGTGGATGTCCATTAAAAGTAGAAAAATATTTGGGATAAGTGAGTGTGTGTTTCCTTACATGGCTACTA
AATAAAATATAATGAGTATACAAGTATATCTCCTCTTTTGCTATGGAGGCTCCATGTTCAAGGCAATGGCT
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GCTTCTACAATGTAAAATGTATGACTTGGTGTTTTAAAGTAAAAATTATGATGTTACTTGTGGAGAAACTA
AAAATGTTGTACAACTGACCGAAAGAAAACCCTTGGGGATAAGTTTAGTGAGGGGATTGGAATCCCCAAAA
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CCTATTTTAATGCTCTTTGTATGGCAGTATGTATATATTGTGTTAAGTTCCTCAAGAATCTCCTTAAAAAC
TTTGAAGTTAATACTTTTGTGCAACTGTGTTTTGAATAAAGCCATGACAGTGTTAAAAACAAACAAAAAAA
TTTGCAGTACTCCTGATTATTCTTTTATTGTTTTTGACTGTTCCCTGTTTTTTTCTGTGACTGCTGTAACT
TAAAGTTTTTGAAACTGAATTGCTTCAAATAAATTGAAGATTTGTTATAAT
Table1 4625
CCGCCCGGGCAGGTACGCTGTGGAGTCTCCTCCAGATCGCAGCTGAAGGATCTGTTGAGCGCTTC
AGGAAAGGCGGACAGGCGACACTAACAGGTGAAGATCTCGGGAGACCATGACTAAGAAAAGAATTGCTGTG
ATTGGGGGAGGAGTGAGCGGGCTCTCTTCCATCAAGTGCTGCGTAGAAGAAGGCTTGGAACCTGTCTGCTT
TGAAAGGACTGATGACATCGGAGGGCTCTGGAGGTTCCAGGAAAATCCTGAAGAAGGAAGGGCCAGTATTT
ACAAATCAGTGATCATCAATACTTCTAAAGAGATGATGTGCTTCAGTGACTATCCAATCCCAGATCATTAT
CCCAACTTCATGCATAATGCCCAGGTCCTGGAGTATTTCAGGATGTATGCCAAAGAATTTGACCTTCTAAA
GTATATTCGATTTAAGACCACTGTGTGCAGTGTGAAGAAGCAGCCTGATTTTGCCACTTCAGGCCAATGGG
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CACACCAATGCTCATCTACCTCTGGAAAGCTTCCCTGGAATTGAGAAGTTCAAAGGGCAGTACTTCCACAG
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GGGATCTGGCTGTAGAGATTAGCCAAACAGCCAAGCAGGTTTTCCTCAGCACCAGGAGAGGGGCTTGGATC
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TGTTTGGCCTGAAGCCTAAACACAGAGCTCTGAGTCAGCATCCAACCTTAAATGATGACCTGCCAAATCGT
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ACCATGGAAGAGCTTGCTGATTTGGTGGGGGTCAGGCCCAATCTGCTGTCTCTGGCCTTCACTGACCCCAA
GCTGGCATTACACTTATTACTGGGACCCTGCACTCCAATCCACTATCGTGTACAGGGCCCTGGAAAGTGGG
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CAGAATCTGACGAGATTGACTCTCAGTTTCATATTGCCCAGAAATCTACTTTAATGTCTCTTTCGAAAGCA
TTAATTCACTTTCCTTTTTCCTACAATGAAACCTGTTTTCCATTTGTATTAACTCATCTCCCTTCCACTCA
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TCTTTAGCAGAGTTCTTGACATGTGGTAGGTGCTTAATAAATGTTTGTTGTTTATCAAATTTTATGGTAGG
GAGAGTAAGTCAGCATCGGTATAAAATCGCTTACTCCACGTAACTCTTCTTCTGATAGGGTTTGATTTTCT
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TCACTAGTGTACTTGAAACATGGTCATTTTTAGCCCTTTTCCTTAGGAACCATGTCTTTATTTTCTCAATA
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GGTTGAGAATTTTGGGATTTTAAATTAGCTGTCCTACCTTTTTAAATCTCTTTTAAATCCTTCCCATATTA

Table 6
803/3331

GGATCCAACAAAACTTTATCTTAGGAAATATGATAAGTAGCTTCCAATTGTTGTAGTGTGGTCTACAAATG
TGATTTGATTCATCTTCCCCCACTCTAATTTTCTCCCCTTTTCTCCTCCCTTACATGGAGTCTAAGTAAGT
ATTTGAACAAGTCATTTATGTATTAAATTAGAACTGATATTAACTAAATGTAGGAACATTCTGCTTATACC
AGTTTTTCTCATGTCGTAAAGTGTAGTTCTGAAAAACAGAGCAAATGAAATGCAAAGCAGGTACTTGGGTT
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ATTAACTAAGTGTCAGCTGTCAGGCACACTGAACTCAGGTGATGTTCATTAATAGCTGTTGTACAATATGT
TTGTATTTGGATTGCTGCTTATTACTTAACAACAGGATAAACCTGAACAATGGAAAAGACCAACATTAGAG
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GTTATCAGCAATAAGTACACCAGTTTCTTTTTTAAATTAGGAGTATGTAATTCTAAATTAATTGATTCTCT
CATTGTACATATTATATGCAAGGTTACAAAAAAAAATCAATGGTTAATGATTTTTTAGCTCAACCAAGCTA
AAAGATGTGAACAAGAAATTGAACTCAAAACAACTTAAGATACAAAGCTCTTGTTACTGATAATGTCTAAT
AATATTCATCAATTTACCATATCTTGTTCTTATATTAAAATGTTCTATCATTTTCCTAATTATTTTAAAGT
CGATTACAAAAATATATATATATTCTTGTAGTGCCAGAAAATTGAATACATTAATAAATGGGGTAGAATAG
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CTACTTCTCTAGTGTGAGCTGAATAGTGACTTCCTTCCAAAAATTACATATGGAAAGGGGGAAAATAACTT
TGTAGTGGAGAAATCTGATAAACACTATCTCGGCTAGGTTATCAAGATTAACACTAACAGTAATAAGTCAC
ACTGATAGTATGTACNNNN

Table1 4626

NNNCGACCACGCGTCCGTAAGGCCCCGGCCAGGACGGGATTGGCGTGCTGGGCGTGCGCGGCTGC
GGTACGGCGTGTTGGTCCCAGCGGTTCAGCTGAGGTAGGGACGTGCCGTAGGCCGGAATGTTACCGGCTGT
TGGATCTGTGGATGAGGAAGAGGATCCTGCGGAGGAGGATTGTCCTGAATTGGTTCCCATTGAGACGACGC
AAAGCGAGGAGGAGGAAAAGTCTGGCCTCGGCGCCAAGATCCCAGTCACAATTATCACCGGGTATTTAGGT
GCTGGGAAGACAACACTTCTGAACTATATTTTGACAGAGCAACATAGTAAAAGAGTAGCGGTCATTTTAAA
TGAATCTGGGGAAGGAAGTGCGCTGGAGAAATCCTTAGCTGTCAGCCAAGGTGGAGAGCTCTATGAAGAGT
GGCTGGAACTTAGAAACGGTTGCCTCTGCTGTTCAGTGAAGTGAGGAATGTGTTTACTGTGTACATGGTTT
ACTAGAAATGTTTATTGATTATATTTCCAGCTTTAATTTTCTTGAGTAATTTAACTGAATTTACACAGTTT
GCTTCATTGTATTTTCAAACAAATAGAAAATAAACTTATTAGGAAGCATTTTCTTAAAGTGTTTCTTGCTG
TCTTTTCTATCTGCTCTAATGTTTTGGTCCTTTTATTGAGTTTTTATTGCTTTTGATGTCAGGGCTTATTT
AATCTCTAGTGCATGAAAGTCTCATATGTAAAAAATGATTATTCTGAATTTAATCTGTCATTGGTCATACT
TCTAAGTGTTCAACCTTATAAAAAATAAATGACTATCAAAAAAAGAAAAACCTTACATTATGTTCTAGTAG
TTAAGTTTCCAAGGACAGTGATCACTAGTCTACCATAGACCCTAGAAGAGTTACCCAACACATAGTAGCAC
TCAAATATTGTTGAATGAATTATGAAAATGACTACTTGTATTGTTAATTTGTGTATTCTAGTGAATTAAAT
CTCTTCGGCATCATTTACTCCCTTAAGTATTTGACTTTGTGTCCACTGTTTTGGCAGGGATAAAATTATAA
CAGACTTTCTTGAACAAACAAATGTATCTATTACGGTTTTCCTTCCACTTTTGGTTAGATAGAAAAAGGAT
TACAACCTGCTTCTAGGTACACTCGACTATTTGTGTCACTATCGGTGTCCTTTGGCTATTTTTAACTACTA
TGTTAAATCATTATCATCTTCGTCGTCGGTTACAATTCTAGGCTTAAGATACTGGCGCAAAGTCCCGTTTA
CTACAGTTTTGTTCACACAAAAAAAATGTCGGGCGCCAATTATACTTGGTCGCATAAAGCGTATAATGGTG
GTGGTGAAAAGGGCGCTACGTGTTCAGTCTCTCGCCGAATAAGATGANN

Table1 4627

AAGAAAAAGTATCCCTATTGGCCTCACCAACCAATTGAGAATTTATAAAATTGAGTCCAGGAGGA
AGCTCTGGCCCTTGTATTACACATTCTGGACATTAAAAATAATAATTATCCAGTAGTGTTTCGGTCAACAG
AAAAAAAAAGTACATGCCCNNNNNNNNNNNNNNNN

Table1 4628

ACGCGGGGACCGACTGTGTGGAAGCACCAGGCATCAGAGATAGAGTCTTCCCTGGCATTGCAGGA
GAGAATCTGAAGGGATGATGGATGCATCAAAAGAGCTGCAAGTTCTCCACATTGACTTCTTGAATCAGGAC
AACGCCGTTTCTCACCACACATGGGAGTTCCAAACGAGCAGTCCTGTGTTCCGGCGAGGACAGGTGTTTCA
CCTGCGGCTGGTGCTGAACCAGCCCCTACAATCCTACCACCAACTGAAACTGGAATTCAGCACAGGGCCGA
ATCCTAGCATCGCCAAACACACCCTGGTGGTGCTCGACCCGAGGACGCCCTCAGACCACTACAACTGGCAG
GCAACCCTTCAAAATGAGTCTGGCAAAGAGGTCACAGTGGCTGTCACCAGTTCCCCCAATGCCATCCTGGG
CAAGTACCAACTAAACGTGAAAACTGGAAACCACATCCTTAAGTCTGAAGAAAACATCCTATACCTTCTCT
TCAACCCATGGTGTAAAGAGGACATGGTTTTCATGCCTGATGAGGACGAGCGCAAAGAGTACATCCTCAAT
GACACGGGCTGCCATTACGTGGGGGCTGCCAGAAGTATCAAATGCAAACCCTGGAACTTTGGTCAGTTTGA
GAAAAATGTCCTGGACTGCTGCATTTCCCTGCTGACTGAGAGCTCCCTCAAGCCCACAGATAGGAGGGACC
CCGTGCTGGTGTGCAGGGCCATGTGTGCTATGATGAGCTTTGAGAAAGGCCAGGGCGTGCTCATTGGGAAT
TGGACTGGGGACTACGAAGGTGGCACAGCCCCATACAAGTGGACAGGCAGTGCCCCGATCCTGCAGCAGTA
CTACAACACGAAGCAGGCTGTGTGCTTTGGCCAGTGCTGGGTGTTTGCTGGGATCCTGACTACAGTGCTGA
GAGCGTTGGGCATCCCAGCACGCAGTGTGACAGGCTTCGATTCAGCTCACGACACAGAAAGGAACCTCACG
GTGGACACCTATGTGAATGAGAATGGCGAGAAAATCACCAGTATGACCCACGACTCTGTCTGGAATTTCCA
TGTGTGGACGGATGCCTGGATGAAGCGACCGGATCTGCCCAAGGGCTACGACGGCTGGCAGGCTGTGGACG
CAACGCCGCAGGAGCGAAGCCAGGGTGTCTTCTGCTGTGGGCCATCACCACTGACCGCCATCCGCAAAGGT

Table 6
804/3331

GACATCTTTATTGTCTATGACACCAGATTCGTCTTCTCAGAAGTGAATGGTGACAGGCTCATCTGGTTGGT
GAAGATGGTGAATGGGCAGGAGGAGTTACACGTAATTTCAATGGAGACCACAAGCATCGGGAAAAACATCA
GCACCAAGGCAGTGGGCCAAGACAGGCGGAGAGATATCACCTATGAGTACAAGTATCCAGAAGGCTCCTCT
GAGGAGAGGCAGGTCATGGATCATGCCTTCCTCCTTCTCAGTTCTGAGAGGGAGCACAGACGACCTGTAAA
AGAGAACTTTCTTCACATGTCGGTACAATCAGATGATGTGCTGCTGGGAAACTCTGTTAATTTCACCGTGA
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GGCAAGAAGATGGCAAAACTGTGTGACCTCAATAAGACCTCGCAGATCCAAGGTCAAGTATCAGAAGTGAC
TCTGACCTTGGACTCCAAGACCTACATCAACAGCCTGGCTATATTAGATGATGAGCCAGTTATCAGAGGTT
TCATCATTGCGGAAATTGTGGAGTCTAAGGAAATCATGGCCTCTGAAGTATTCACGTCTTTCCAGTACCCT
GAGTTCTCTATAGAGTTGCCTAACACAGGCAGAATTGGCCAGCTACTTGTCTGCAATTGTATCTTCAAGAA
TACCCTGGCCATCCCTTTGACTGACGTCAAGTTCTCTTTGGAAAGCCTGGGCATCTCCTCACTACAGACCT
CTGACCATGGGACGGTGCAGCCTGGTGAGACCATCCAATCCCAAATAAAATGCACCCCAATAAAAACTGGA
CCCAAGAAATTTATCGTCAAGTTAAGTTCCAAACAAGTGAAAGAGATTAATGCTCAGAAGATTGTTCTCAT
CACCAAGTAGCCTTGTCTGATGCTGTGGAGCCTTAGTTGAGATTTCAGCATTTCCTACCTTGTGCTTAGCT
TTCAGATTATGGATGATTAAATTTGATGACTTATATGAGGGCAGATTCAAGAGCCAGCAGGTCAAAAAGGC
CAACACAACCATAAGCAGCCAGACCCACAAGGCCAGGTCCTGTGCTATCACAGGGTCACCTCTTTTACAGT
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CAGTGCTGCCACCTGCTGACGACCCTTGAGAAGCTGCCATATCTTCAGGCCATGGGTTCACCAGCCCTGAA
GGCACCTGTCAACTGGAGTGCTCTCTCAGCACTGGGATGGGCCTGATAGAAGTGCATTCTCCTCCTATTGC
CTCCATTCTCCTCTCTCTATCCCTGAAATCCAGGAAGTCCCTCTCCTGGTGCTCCAAGCAGTTTGAAGCCC
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TCCAGGGAGAAGGCATTGCTTCCTCCCTGGTGTGAACTCTTTCTTTGGTATTCCATCCACTATCCTGGCAA
CTCAAGGCTGCTTCTGTTAACTGAAGCCTGCTCCTTCTTGTTCTGCCCTCCAGAGATTTGCTCAAATGATC
AATAAGCTTTAAATTAAACTCTACTTTCAGGAAAAAAAAAAACAAACCAAAAGCCACACCACAAGAAGAGA
AAACATGATGCGGCGCGCCCGCCAGAAAAAAAAACACGGGGGGGGGGCGCCCGAAATAAAAACGCGGGGGG
CGCCAAATGGGAAGACGGGGGTCCCCACAACGAGCGGGGGGGGGGCAAAAACGGGGGGGCGGGGACACANN
Table1 4629
NNATGTGCATTGGCCCGCACTTGGGATCCCCTGGTGACGGTATTTCCGAGTGGTCCCAATCCCCT
TAGGATGGTTCCTGTGGTAACGAACAAATTTGGATTTCTGCTGCCATTACACGAACTCAAGTCATATATAA
ACCTGAGTTAGCATGTCTAGTCACATTTTTCTCCTGGTCATGATGTCTCTCTTCTGTGGTTCCTCTTCTTT
GGCAAGTGGCTTGGCAGCAAATATACCCACTAGGGACCTCTCTGCCTTCTCTTAGTGGCAAGTTCCCCATC
AACAACCTTGAGAATTTGGGCCTCCCTTTGCTAACTACTTGCAAGAGTATGACTCGCCTGTAACCAGCAAA
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AGGGGGGCCTTGGAAACCACAGACACACTTGCCCATGTCTTTATGATGAATTTGATGACTGCCCAACCTCT
GATTCTTTAACAGGGGCAGGGAAACTGAATATTCCAGACCTGGCTCCCTAACCATGCACATAGATTAAACC
ACTGGGAAGTTCCAAGAATGTATGTGATGTTTTTTCGAGTCTGCAGAGTATTGATCTGCTCAGAAAAGCAC
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ATACATGTTAACATTCCTGTGCTCCAATTGTCCTGTCCCACTACCACCTGCTCTGCATCTGCCCTCTAGGC
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TATATAAAATATACTTGTCGATTGGTACATTTGTGCAAAGACAGATATGACTTCCAAACAAGACAGACATT
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GCCGTCTTTTTATTTTATCACAATAGGCAACAAGATGGGTCTGGTTTTGGAATATGTTACCATTTGTGTTT
AATTTCCAAAGACACGCATATTAGCTCAACTAGTGTAAACCTGTGAAAAAATAGCTGAGCCATCTTTTTCC
TCTCCTCTGTTAATTTATCTTGAAATGTTCACAGCTTAGAAACTACAGCCTGCTGGGGAAGAGAGGGGAGT
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TCCAGCATCCGGTGCCATCCATCACCCCTACGGCACGTGTGACAACAGACCCAGGTGGGGAGTTTTGTCTT
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CCCCGAGTCTTACGTTTTAGAACAGAGACATTAGAATAAAAAAAAATAATAGTAACGATTAAAAATCATCA
AACAATGAACACCACGAAGTCTGTCCATGCTCTCCACAAGCACACTGGGGCTCTGGGCATTCCCACGAAGC
ATCCACGACAAAAGAAGCTGAAGGCGTCACGGAGGAAGGCGCATCAGACCGCACAGGGGACGGCATCACCA
TTGATATTGTTTGGCAAAAAAAAAAAAAATTGTTAAAAAGAAGAATCAAAAGGGAACACAAGCAGCTCTAC
AATTCGATTGGTGGGCGCAGGGCTCAGAACTGGCCGGCACTGCTCGGGTCGCACTGCAGGAGGCGCACAAT
GGACGGGTCGCTTTTGGCTCCTCGGATGAACTCTTCCAGGGAGAGTTTTCCGTCTCTATTGGTGTCCATCT
GGCGGAAGATCTTTTCTGTTCTTTTCTCTGGGGTTGACTCATCTTCAGGCATTTTCATTACAGAGGAAACC
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CATGCTGAAGGCCCATTTCAGCTTCTGCTCCAGCTTCCCCCTCGAAGTTACACTCAAGGCGATGATGAATT
CTCTAAAGTCTATTGTCCCATCTCCATTTGCATCGAAGGTGCGGAAGACATGCTCTGCAAATTTGGAAGCA
TCCCCATAAGGGAAAAAGTTCCCATATATTTTCTTAAACTCTTCCATTGACAAATGTCCACTGGGGCAGTC
TCTCAAGAAGCCTTTATACCATTCCTGGATCTCATGCTCTGTAAAGTCTGTGCTTTCCAGCAAGTCCTGCA
TGACCTCCGGGCGCAGCTTGCTGTTCTGTTTCCCCATCCTGGCGGCAAGAATTCAGCTCACTCAGAAGAAG

Table 6
805/3331

TGCAAGATTTAACAGTCCATGCTCTGCAGCCCCTGGAAACAGCAGTAGCAGCAGCAGCAAGGTCCAGCATC
CACCAGATTCTCACAAGCCATTACGGACGCGTGGTCN
Table1 4630
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNTGCGACAGAGTCTCCCTCTATCATCCAGGCTGGAGTG
CAGTGGCACGATCTCGGCTCACTGCAACCTACGCCTTCTGGGAAAAAGCGATTCTCCTGCCTCAGCCTCCC
GATTAGCTGGGATTACAGGCACGTGCCACCATGCCTGGCTAATTTTTTTATTTTTAATAGAGACAGGGTTT
CACTGTGTTAGCCAGGATGGTCTCAATCTCCTGACCTCATGATCCGCCCGCCTCGGCCTCCCAAAGTGCTG
GGATTACAGGCGTGAGCCACCGTGCCCGGCCCTCTTGTGTAGTTTTCATTGTGTCTAGTGCAATGCCGTAA
ACCTTAACACCATGAGACCCATATGAAGTGCCAACAGTGATGATGGAAGCGCTTTCAAAGAGAGAAGTCAT
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TCAGACAGATGCTTCATCTTGTAAACAGCAACATAAATGTATGGTACCAATAAATACAGTACAGTACTGTA
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AGACCAGGAGGTAGACCTCAGAAGTATATTTAGTGTTCCTCCTAATATTCCTTCCAGCCCCCTTTCCTACA
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TCCTTATACTTGACGTCTCTTCCTGTTCAACAAGTTTCTATTTTGGACAAGTGCTTTATTAATTATCTCCT
ATCTGGCATGTGCCTTTATTCTCTCGGACGCGTGAGCGGACGCN
Table1 4633
NNNNAGAAAACCATCGCCAACTCCTGCGATCAGCTTGTGGCTTACAAACCTTGTTTAAAAGCTGC
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AGAACTATGTTGCCCAGGCTGCTCTTGAACTCCTGGGGTCAAGCAGTCTACCTCGGCCTCCCAGAATGCTG
GGATTACAGGCGTGAGCCACCATTCCCAGCCCACATTTCTTAAAAATGGTATTTCAGNNNNNN
Table1 4643
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TCATCTTCACCTaccaagaggcGGCCGCCTCCTTGGACAAGCCGCTCATGGACCATTAGACTTGAGAAGAC
GACCCACGTGGTGACTGCAAAGCCCTGGGTACTTGCCTTCATGTTCTGGTTTGGTTTTCCCTTTTTCTGCT
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Table 6
806/3331

CTGGCTGATCTAAGCTCCTGAGGAATGTCTCCTCTCAAAGGAATTTTTCCCTCCAAAGGCCCCCTGAAGTC
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CTGCATTTCTTTGGACTTCTGAATCCATGTTTGTGCTTTCTCTGGCCCGTGAACACCTCGGCGATTCTGTT
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Table1 4644
ACACTGGAGGCTGGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGG
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GTTCGCTCCACCACCCCAGCTGGGTAGCCGCTGCTCTCACATAAGGGGTCCAATTAAAATTGCCAGGAATA
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atagtag
Table1 4646
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NNNNNN
Table1 4650
NCTTACCATTAAGAAGAGTTAATGGAAGGTGATACTCTGATTCTTTGGCATTGGAANTACATTCA
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TACAATGTAAACAATATGTAAATAGTTGTTATAGACTGTATTTTAAAAATTTTGTATTCTTTATAAATTTT
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CTTCGCAATCGTACAGCTGATAGGAACACGCAAGCAAGCTGAAAATTTTGCTTACCGACTTGAGCTAAATG
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Table 6
807/3331

ACATCTAAAATCCTGGTTAAAATAAATTTTAGATTTGGAAAGGGAATTGGCAAAACTAACATTCTTTGTAG
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TCACAAAGATGACATTCTTCACTGTATTTGCATTTGTAACCACCAAGCAAGTAAGGATCTCTGCCCCAGAT
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GAGGGCTATTATAAAAAACCCAGAAAATGAGTGCTGGCAAGGATGTGGAGAAACTGGAACATTTGTGCATT
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Table1 4652
gGCCGCCCGGGCAGGTACGCGGGGACACTTCAGGTGCCCAGTGTCCACACTGACTAGTGGTGACG
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Table1 4653
ACAAAATGGTCCTCTGAGAATTTTGTTCCTCTTTGTCATTGCAAAGAGATGCATTCTAGCTGGAT
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GAGTGCCCAGAACTTTATGTAAATTATTTTTGTTTCTCATAACTCATCTGTGTAGTAGATATTAGTGTTCC
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ATGNNNNNN
Table1 4654
NAGTCGACCCACGCGTCCGTCTGAGTATACTAATTATACAATTTTACTATTATATCTGACTGGCT
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Table1 4659
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Table1 4660
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CACANNNNNNNNNNNNNNNN
Table1 4662
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Table 6
809/3331

CATGACTTGGGGCTGTCGAGATTTAAAGTGATGTAAGCTGTGGTTATGTGGATTCTCTTACTTTCCTCTGC
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NNNNNNNNNN
Table1 4663
ACGCGGGGACATTGGAGTGGGGTGGGAAGCCTGAGTCCTGTATTCACATGAACGAATTCAGGACA
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TGCATAGTTCAGAGCCAAGGGGAGATGAGAAGCCTTAACGTGGAAGAGGGACAAGAGAGATGAATTGGTCC
CTCTGCAACCCAACTCTTCAAAGTAAGAATGGTTGAGAGCAATAGTCACCAANNNNNNNN
Table1 4665
NGCAGCTGCAGGCATACCCCCAGGTCTGCTTTTAGCTTCCCTATCTTAGTGCACCTGAAGGGAAA
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Table1 4666
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CCTTTCGTAN
Table1 4667
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Table1 4668
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Table1 4670
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CTCATGGTACANN
Table1 4671
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ATCTTTAATTAAGCGGCC

Table1 4672

NNNATCTTAANGGCTATATNGGAGGAATATCCACTCACCCATAATTTAAATAANGATTAAAAATN
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Table1 4674

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Table1 4675

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Table 6
813/3331

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Table1 4678
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Table1 4680

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Table 6

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Table1 4683
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Table1 4684
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AACAGATTCCAATTTCTGCCAGCGCTCTGGGGGCCACAGGATATGTGTGGCATGGGCATGCAGAAGTCCTA
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CGGGGGACTTTGACATACCGGTTTTTGTGTCCTATGGTTCTGACAATATCTCCTTCAAGAGCAATCACTCT
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CGCTCTTCCTCGGTGAGAAGGGGTAAGTGGTTATTTTGTGCCCTCGCCCAATTTGGCCAAACCCCGCTGCG
CAGCGCTCAGCCCGGGGGAAAGTCCCCGCGGCAGACCCCCCCCCGCGTACCTTGGCCGCTCTAGAACTAATG
GGATCCCCCGGGCN
Table1 4690
ATTGGAGCTCACCGCGGTGGCGGCCGAGGTACTTTGGTATGTTTTTGTCTTGAAAAGAGGTTTTC
TAGCTAGAAATTCGGGGCCCAGAAGGTCAAGGCTCCAGAGATCCCCTTCTCATCATCCTTCAGTTGTCTGA
GGAGACAGAGGATCACATGTGTCACAGTGAGTGCTGATTCCCCAGAATCTGCAGTCTTAAGCTCCCCTGCT
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GGAAATAAACACATCATCACACTGTGGGTGCCTAAGCTAAGTTTGTTTGCAGTTTGATGATGCCCAGCTCC
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TTGTCATTTCTTTAGGTCTTGCCTTCCCAAGTAGATCATGAGCCACTATAAGAACTAGCTCCCATAGTCCC
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CAGACACGTCATCTCCTGAAGAAGAATGCCCGAACAACCTGTCCTTGTTTTAATGTACTTTCTCTTTCTTT
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Table 6

CCAACCCCTTTTTCTTCCCCTCTCCCCTGCATGGTTGGTCTGGGCCTGTTGGGTCCAACTAGCAACTCCCC
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CAGTCTGTATGCACAAGGCGGGTTGTGAAGTCTGCATGTGCAAGAAACCCCAGCTGTAAGAAACAGCTTCC
CTCGTTGGCATGGGTGGTCATGCTAATATTCCAGCATTTGAGAAGGTCGAAGTGGGCAAATCACTGGAGCC
AGGAGTTCGGGACTAGCCTGGGCACATAGAAGATTACTTTAAAAAAAAAAAAAAAAAAAAAATTGTGCGC
GCGGCGAGAANN

Table1 4695

NNNNNNNNCAGGTACATATTTTTTAAAACTGGTTAGCGATAGCTACATGACCCAATTATATTTTC
TATATTTATTTGATTATCAGCCAGTAAACTCATAATGAAGCAGCTGCGCACTCCCCCAACAATTGAGAATT
GAACAAATTTCCAGAGAGAAGTGAAAAATATCAAAAATTAAAATCCTAAACTTGAAGACAAGTTGAGAGAC
CATTTAGTCTGGCCACCTGTATCCAAGATTCATTTAAAACCAAGCAGCGGCCAGGCACGATGGCTCACGCC
TGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACGAGGCCAGGAGATCAAGACCATCCTGGCTA
ACACAGTGAAACCCTGTTTC

Table1 4697

ccggcgcggttgaggccttcggtggtgaACGAGTCTCCAGCACCATGTCTGGTTTGTCTGGCCCA
CCAGCCCGGCGCGGCCCTTTTCCGTTAGCGTTGCTGCTTTTGTTCCTGCTCGGCCCCAGATTGGTCCTTGC
CATCTCCTTCCATCTGCCCATTAACTCTCGCAAGTGCCTCCGTGAGGAGATTCACAAGGACCTGCTAGTGA
CTGGCGCGTACGAGATCTCCGACCAGTCTGGGGGCGCTGGCGGCCTGCGCAGCCACCTCAAGATCACAGAT
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GACTGTAGTGAATTTGGAAATTATCTGTCTGGAAGCTCTGAGTTTATCTTGGGACCTCAAGAGGAGAGGAT
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Table1 4698

ACTCTTTTACATTCCCACCAGCAGTGTATGAGAGTTCCAGATGTTCCTTTCTCTTTAGTTCTTGG
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Table1 4699

cGCGGTGGCGGCCGAGGTACTGCAGCCGCCTCAATATCCCCTTCCCCTTCATTGTCTTCGCTTAC
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CTCAAGGGTCTTCTGAAAGAGATTGCTAATAAAATCAAATAAAACTGTATGAACTCTAATGGAGAAAAATC
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Table1 4700
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Table1 4701
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Table1 4702
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Table1 4705
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ACTTTCACTGTGTCTATGTAGAAAAGGAAGACATAAGAAACTCCATTTTGATCTGTACCNN
Table1 4707
CaGGAGAtCGAGAccaTCCTGgccAACATGGTGAAACTCTGTCTCTACTAAAAAATACAGAAAAT
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Table 6
820/3331

AAATCATGTAATACTTCATTAGTATGTATTATTCCACATAATAGTCCTTTAGGTAGATGTACCATACTTTA
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Table1 4715
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Table1 4717
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GAAATACAATTCCTGCTATGAAGTAAAAAAGCCCCAGCGTGTCCATCACATTCCACAGGTCAGTAAAATAA
TTCACCCCATTTACGTACCTGCCCGGGCGGCCGCTCT
Table1 4721
AGGGAGTCGACCCACGCGTCCGACCGGGAGTTTTTGCTCTTGTTGCCCAGGCTGGAGTGCAGTGG
CACAATCTCGGCTCACCACCACCTCCGCCTCCCGGGTTCAAGCGATTCTCCCGCCTCAGCCTCAGAAGTTG
CTGGAATTACAGGTATTTTTTCTAAATGTGAGATCAAGGAATTACCACCAAAAAAGGAGAGTAATACAGGA
GAAATATTCCAGACAGTAATGTTGGAAAGACATGAAAGCCACGACATACAAGATTTTTGCTTCAGAGAAAC
CCAGAAAAATGTACATGACTCTCAGTGTCTGTGGAAACATGATTGAAGACATTATAAGCGAGTGCGTGTGA
CCTATAAGGAAAGTCTCATTGGTAGAAGAGACATGCATGGTAGAAAGGATGATGCACAAAAGCAGCCTGTT
AAAAATCAGCTTGGATTAAACCCGCAGTCACATCTACCAGAACTGCAGCTATTTCAAGCTGAAGGGAAAAT
ATATAAATATGATCACATGGAAAAATCTGTCAACAGTAGTTCCTTAGTTTCCCCACCCCAACGTATTTCTT
CTACTGTCAAAACCCACATTTCTCATACATATGAATGTAATTTTGTGGATTCATTATTCACACAAAAAGAG
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TACTATACATCAAATAATCCATACTAAAGAGACGCAATTTAAATGTGATATATGTGGCAAGATCTTCAATA
AAAAATCAAACCTTGCAAGTCATCAAAGAATTCATACTGGAGAGAAGCCATATAAATGTAATGAATGTGGC
AAGGTCTTCCATAATATGTCACACCTTGCACAGCATCGCAGGATTCATACTGGAGAGAAACCATATAAATG
TAATGAATGTGGCAAGGTCTTTAATCAAATTTCACACCTTGCACAACATCAAAGAATTCATACCGGAGAGA
AACCTTATAAATGTAATGAATGTGGAAAGGTCTTCCATCAAATTTCACACCTTGCACAACATCGGACAATT
CATACTGGAGAAAAACCTTACGAATGTAACAAATGTGGCAAGGTGTTCAGTCGCAATTCCTACCTTGTACA
ACATCTGATCATTCATACTGGAGAGAAACCTTACAGATGTAATGTATGTGGCAAGGTCTTCAGTCACAAGT
CATCCCTAGTAAATCACTGGAGAATTCATACTGGAGAGAAACCTTACAAATGTAATGAGTGTGGCAAGGTC
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ATAAGTGTGATGAATGTGACAAAGCATTCAGTCAAAATTCACATCTTGTACAACATCACAGAATCCATACT
GGAGAGAAACCTTACAAATGTGATGAATGTGGCAAAGTCTTCAGTCAAAATTCATACCTTGCATATCATTG
GAGAATTCATACTGGAGAAAAAGCTTATAAATGTAATGAATGTGGGAAGGTCTTCGGTCTAAACTCATCCC
TAGCACATCATCGGAAAATTCACACTGGAGAGAAACCTTTCAAATGTAATGAATGTGGCAAAGCTTTTAGT
ATGCGTTCAAGCCTCACTAATCATCATGCGATCCACACTGGAGAGAAACATTTCAAATGTAATGAATGTGG
CAAACTCTTCCGCGACAATTCATATCTTGTACGTCATCAGAGATTTCATGCCGGAAAGAAATCTAACACAT
GTAATTAATGTGGCAGAGTGTTCAGTTAGCATTAAAGCCTTGTAAGACATACAATAATTTATACTGGAGAA
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TTTTCAAAGAATTCTTGCTGGTGAGAAACCTAACAAATGTAATGAATGTGGCAAGGTCTTCTGGCACAATT
CTCACATTGTACAATATTGCAAAAATTCATGCTTGAGAGAAACAAAAACACTGAGAGTGGGAAACCATTAT
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TTTTCCGCAGGCCAAAGTCTCACTAGGCATCAAAAACTTTTTTGATGAAACCATACAAATGTAACGTGCAT
GCTTAAGCTTTTACCCAGGCATCAAAACCGGAACATCACAGGGTTTATACTGGAGAGTAACTACACAAAGA
TAATGTAATAAGCCTTTCAGTGTAATATTCATGATTTTGTCGTGAGAGATCCACTCAATAAAAACCAGGCA

Table 6
821/3331

AATGTAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGGGG
CCCCCCCCCCGGGGGGAACAACAAAAACCCCCTTAAAGGGGGTTTTTTCCCCCCCCCTCTGGGCTCGGGGAA
AAAACCCGGTAGAGGGGAAAAACCCCGGGTTCCCCCCATTTAACCGGGTGAAAGAAAAAAGGATTTTGAGA
AGGTGGATAAAAAAGAAAAAGCCCCCCCCAAAACCCCCTCTCCAAATTGGCCCCCCCCNNNNNN
Table1 4722
NNAGCGGCCNATACGGCGCCTACTACTACTACTATGCTGCGAGAAGACGACAGAAGGGTCGATGT
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GCACAGCTTACTGCAGCCTTGAACTCCTGGGATCAATCAGTCCTCCTGCCTCAGCCTCCCGAGTAGCTAAG
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GCCCAGGCTGATCTCAAACTCCTGGCCTCAAGCGATCCTCCCATCTCAGCCTCCCAAAGTGCTGGGATTAC
AGACCTGAGCCACCACACCTGGGCAACAGAGTGAAACCTGTCCCTGTTTTCCTGCTCTTACTCTCACCTCT
GAGGCCTCCTCTGCCTGGAAGAGATTACAGGGAAATTCCAGGCAGCCCTTGTCAATTGTTTTTATGAATTC
TTTACCTGTTCCTTTTAAAGACAAGGAAACTGAGGCCCAAAGTTCTAAGTTGTTTGGCAAATGGAGTCTCC
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ACCTAGAGCACATCTGGATCTCAGCCCCACCCCTGGCAACCTGCCTGCCTAGAGAACTCCCAAGATGACAG
ACTAAGTAGGATTCTGCCATTTAGAATAATTCTGGTATCCTGGGCGTTGCGTTAAGTTGCTTAACTTTCAT
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CCTCTTTATGGAGCCAGTGTTCCAACCTAGGTTTGCCTGATACCAGACCTGTGGCCCCACCTCCCATGCAG
GTCTCTGTGGGGTCTTTGGGATGGATCTCCTAGGGCTGGGCTGGAAGCCTCTGTCTGTTGTCTCTAGTAAC
CACCCTGAAGAGAAGGGGTGGCATCAGGAACCGCGGACCGCAGCTTTGTCCGGGCGCCTTCCGTATTGTGC
CCATCTGGTGGGCTTAACCCTCCCACCCGGAGCGCATCATAAAACACCGAANN
Table1 4723
CGTCCGCTTTTAAAATTTTAGTAAAAAACTATATTGGAAAGGATGGTTTATTCATTGCATTTTTT
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CTGTATGTCACTCCTGGCTACAGTAACTCAGTTGGTTTGCATCCTTAGGGAGGTGCTGTGTCTGAAGTGAA
GATGTGATGACCCATCCGTGGAGGACTGTCACTGCCTTGGCATCTGACAGACACCGGCCTGTCATTTGGGG
CATGGATTTTCTTTCGACTTTTTATACTTATTCATGTCAATATACATGTTTCTAAATGTCAGCATATAAAA
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TCTGTATTCCTGACACCAGGGCTGCCAGAGGTGAAGGGCAAGTTTTTGTTGTGAAAGCACCAGTAAATGAC
CAGAGCAGGGAAATCTCAGTTGACAGAAAAGTGGACATTGCCTGAAATGGGAAGATATTAAAGTTTTGGAT
TGTATATGNN
Table1 4724
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TTagaacatatgataAAataTTGCCCTTTTATCCTTTAACCATgtatCCATTTTTTTTTTTGATGGGGAGT
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TCTCTTAAGGCACAAAACCTGATAGACGGCATTTAACTGGTGGCCTGCACCTCTGATTTGGATTTTAAAAA
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ATATTCAAATGAACTAGCATCTTGTATGTATAAATATTTGTTGCCAAAGTAAAAAAAAGTACAATGTGGTT
TACATAGTCcagGACgcgtgGTCgatCctatAT
Table1 4726
NNCGTCCGGCCCCCGTCGTTCCCGCGGCGCCGCGCCGCGCTGGCTCCTCAGCTTCCAGCCAAAAT
GGCGGAGAACAGCGAGAGTCTGGGCACCGTCCCCGAGCACGAGCGGATCTTGCAGGAGATCGAGAGCACCG
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TAAGCTGAAAGAACAGATGAGTGCCAAAAGGTACTATTCTGCCCTAAAAACTATGGAACAATTAGAGAATG
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GATATTAAAGAAATCTCCATGTCTGATCTCAAAGACTTTTTGGAAAGTATTCGAAAACATTCTGACAAAAT
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AACCAGGGCATACACTGATGAACTTTGGAACATGGCCCTCTCAAAGATAATTGCTGTCCTTAGAGCTCATT
CATCCTATTGCACTGATCCTGATCTTGTTCTGGAGCTGAAGAATCTTATTGTAATATTTGCAGATACTTTA

Table 6

CAGGGTTATGGTTTTCCAGTGAAACCGACTTTTTTGACCTTTTATTTGAAATAAGAGGACCAATAGCAATG
AAACACTGCGTTAAGAAATGGGCGGGGTTTCACGGACACTTTTCAGAGACGATATTACACGGCCCTACCGG
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AGTAAAAGAGAGCGCATTTAATAATAATTATACGCCTATTTCAATAAAACAGGAAAAAAAAAGTGAAACAC
AGANNNNNNNNNNNNNNNNN
Table1 4727
AGGGAGTCGACCCACGCGTCCGGAGCTGAATCACCAGAATGGGGAACCCACGGAGGTAGAAGATG
GCACTGTGGATGGTGCAGACAGGGATGAAAAGGACTTCAGGAATCCTGGCCAGGAAGTCAGGAAACTAGAC
CTGCCAGTGCTGTTCCCAAACAGACTTGGTAAGACTCCCTTGGCTCTGATGGTCAAAGGATGGCAAAGTCC
ACTTTAGAGGCCATTAGCCTAGCAGTTGAGTAGGAGCTGTCACTGATCCTGGCATCATCATCATCTTGATG
TGTGACCCTATCCAAGTTTTGGTTTTCATGGAGTTAAAGGTTATTCCCCTTGCATTTTACAGCCCTGATTT
TGCATTTGCCAACCTCTTTCAACTAAGTTCATGTCATCTTTTCCCATGGAGTTTCACTATGCATTGTCAGA
CTGCTGGTTAGGCCTCCAGACCAGGTCCATCTTCTCCCTTTTTCTCTAGCATGGCCTTGCCCTTTCCACAG
CCCTGAGCCTATGCCTGGCCTGGGTACCTTAGCCCCTTGCCTTTCCTTCCCTGTTTGAAGCCTGCCCAAGC
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GAAGATGAGTCACCAGAGTTTTTGTGCCAGGGACAAAGCCTGTACACATATCCTCTGTGGGAAAAACTGCT
CTCAGAGTGTGCACTCTCCCCACAAGCCAGCGCTCAAACTGGAAAAAGTATCTCAATGTCCTGAATGTGGG
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CAGTGAGTGCGGGAAGGGCTTTAGTGAGCGCTCCAACCTCACTGCCCACCTACGAACTCACACAGGGGAGA
GGCCCTATCAGTGTGGGCAATGTGGGAAAAGCTTCAACCAGAGTTCCAGCCTCATTGTCCACCAGAGGACC
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TCACCGGCGCATCCACACTGGGGAGAGCCCATACAAGTGTGCAGTGTGTGGGAAAATCTTCAACAATAGCT
CCCACTTCAGTGCCCACCGAAAAACCCACACTGGTGAAAAGCCTTACAGGTGTTCTCACTGTGAGAGAGGC
TTCACTAAGAACTCTGCCCTCACCCGTCATCAGACAGTACACATGAAAGCAGTACTCTCATCACAGGAAGG
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TCTGCTGTGGAGAGATCTAGCCAGTCCCTGACTTTGCAACAGACCTACTGACTACTGGATCTTAAGACCCA
TGTCTAGGACCAGGAGTCAGCATAAGGACGCTGACCTCTCCTGGCTGTGCCTGTGACTCCAGAGTCCTATC
TTACTGTGACTTAAAGTTTGATGGAGAGAAAGCTGTAGGATCCATAAATTCTACCAGGAAACCAGGGTCTT
CCTGTTCCTAGCACTGAGAATGGGCACCCAGTGGTCCAAGAACACTTTCTGGGCTAACATAGTCCTCACAC
AGGGCTGAGAAAGAAAGTGTCTCCTTTCCTGGAAAGCACATGTAAAAGTTAAGGGCCTGAATCTCTTCTAA
ACCAATAATTGACCTCTAGGCACCCACCATAATACTGCTACCTTCAGGGCAGAAGACACTGCTCTTTGTAA
CCCAGCCACCACCAAAAAGCAAACAGAAAGAAGGAAGGATGGTTAAGCCATTGGATAATACTGAATCTGTT
TCCCTAAGTGACTTAACCTTAGAGCAAGCACAACATCCAGGTTAATTTTTTGTAAGATTTCTCCTTTTATT
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CACAAANNNNNNNNNNNN
Table1 4729
NCAGGTAGTCTGCCTGCCTTTGNCATCCCACAGTGCTGGGATTACAGCCGTGAGCCACCATGCCT
GGCCTTTTTTTTTTCTTTAAACTAAAGACTTAACTGTTTTTTTCCGTATCTCCTCAGCCCCATGTTTTAGA
CTATTTTACCCCAAAATTGTATTTATTAATTTGGCTTTCCCATTTGAAAAAACAAATTGATCTTAGCATGG
TGGCTAGCTTGAGGCAGTCTTTACTGAGCCAGTATAATTTTAGCTAACACAGTTGTGTCTCATGTGAAAGT
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GCTTGAGGATATCATGTTATCCCTGGGATGAGATATCCTTCCCAGGCCTAACATTCTGATTTAACAACACT
TTCACTAAAGCCTTTGGCCCCACCTTTGGCTCCGGTGCATTAATATATTGAGCTATATGATTAAAATTGAA
CTATTTTATCCTAGATGGGAAAGTATCAGATGGGAATTCCGTTTAGGNCATAATTAAACN
Table1 4731
NNNNNNNNNNNNNNNNNAAAGCATTTAATTCTTACCACAGTCCTTTGACATCTTATTATCTCCAT
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TAAAGGCAAGAAAAACAGACCCTCCTCTACCCACCATCCTCATACACAGCCTTCCAGCCCAGGATCTGAAC
CATTTATTCATTTTCTCTCATATTCATTCATTCATTCAATTCTTCATCCACATTTAGTGAAGCTCTGCCGT
GGAATGTTCACACAGAAGGTACAAAAATGAGGCAGGTGTATTTTCTCCCATCTAACAGGCAGCGCCCGCCA
CCCTGTGGGCGCCCCTTGGGGGCCCCCTTGTGGGCCCCCCCCCTGGGGGACTATGCCTCTGAGAGACATTT
TGTTTCTTCCCTTCTTGAGCCCCACCACAACCCAGAATTCATGTGTCCAGGTGTCGGGGAAAAACTCGTGT
TGTACTGAAAGTGGACCAGTGTTACCCTGAAGCTACCAGACCCATAACTCTTCTTCACAGGGAGCTCCTGC
CAGCCCCCTACAGAAAATGAATTGCTTGAAATTTCGTGGATTTGCAATAACCAGACCTTCTTCCATCTAAA
CCCTTTCCCTTGTGTAGTGTCTTGTGTAACCAGTATAAAAGTTCTATAAACTGTAGTTACTTATGTTATCC

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ACACATGCCACCTTTTTCCTAGAACTCTGCAAGGCAAATTGCTGTAAGACAGGCAGAGGAAGCACAATATA
TATATATATCCAAAATATAATTTGCAGTGAAATAAATGAAAGCAAATTATAAATAAACTTACCTGATTTTA
CAAACTAACCTTTAAAGGGATTTCTACTAATTTTTCTATTGCCTGAATTGCCCTTTCTTCTAGATCCAATT
TATATTTTTGTACTTCACCAATGTGTCTTCACCATTGTGCAGTTTCCATGTTTTTTAAGATTTAATATTAC
TTCTTCCAACATCTTTTTATCCTCCTCCAGTTTTTTATATTCTGGTTGTACTTTTTTCATAGATAATAACT
CCTGTTGAATAACTTCTTCTTAGTCAAATAGACATATTTTGAAGATACANN

Table1 4732

ACCTCAGTTGGAAATGCAGAAATCACCTGCCTACTGCATTGATCTCGCTGGGAGCTGCAGACCGG
AGCTGTTCCTATTCAGCCATCTTGCCAGCAGGTATTTCTTTATAGCAACACAAGAACAGCCTAATACAATT
TCCAGTATCAACGGGCTGTTACAAGTTCCCCCTACCCCTTCCCAGTGGGATGGAGACAGTGGAGTGTCTAA
ACTTTCAACATCGTCCAGAAGTAAAGAGGCCACTCGCTCCCTCTTCCCTCTGGTGTCAATGGAGGCCATGT
GGAGAACAGTAATGAGACACTCCTATTCTTTCCAACTAGGATGGGATCAGTAGAGGCCTAGTGGGGAGCCA
AAACTCCTAGTCCCACCATGCAGTAACAAGGAGGCCCCCATCCCTGGTGCCAGTAAAGGCTGAGTGGGAAC
CTAGACTTCTACCTCCAGTTGGTAGTAACAGGGGAAGTGCCTCCCTGCGCTGCCTCTTTTAGAGCAGCGTC
AGAGAAAGCCAGCTAAAACAGAAAGTCAAAGTAATATCCAGACTCTCATAATATCCAAAATGTCCATGTTT
TAATAGAAAATCACTCATTATGCCAAGATCCAGAAACATCTCAATTTGAAAGAAAAAAAAAGACAATTAAT
AGATGCCAAAGTCAAGATGACAGAGATGTTGGAATTATCTAACAAAGATTTTACAGCAGTTCCTCTACCAA
AGT

Table1 4733

ACGCGGGGGTTCCTCTTGGTAGGTGCTTCTCTCCCAGACTAAAATCTGATTCTCAGCACAAATCT
CGCCTTCTATTTACTCAGCTATTCCTCCTCTTTAGAAACAAAAGAAATTAGTGGATGCTGGGCTTCAGAAA
CTCCTGACCATGGATCCAACCAAGAGAATTACCTCGGAGCAAGCTCTGCAGGATCCCTATTTTCAGGAGGA
CCCTTTGCCAACATTAGATGTATTTGCCGGCTGCCAGATTCCATACCCCAAACGAGAATTCCTTAATGAAG
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CAAAAAAATGCAAACTATGATGCCATTTAAAACTCATACACATGGGAGGAAAACCTTATATACTGAGCATT
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CTTTTAATAGGATTTTAATGTTCTAGAAACAGGATTCCAGTGGTGTATAGTTTTATACTTCATGAACTGAT
TTAGCAACACAGGTAAAAATGCACCTTTTAAAGCACTACGTTTTCACAGACAATAACTGTTCTGCTCATGG
AAGTCTTAAACAGAAACN

Table1 4734

NNNNNNNCNAGTGGTCTGCTTTTATTCAGTAGAGTATTGTAGAGATTGTATAGAATTTCAGAGTT
GAATAAAAGTTCCTCATAATTATAGGAGTGGAGAGAGGAGAGTCTCTTTCTTCCTTTCATTTTTATATTTA
AGCAAGAGCTGGACATTTTCCAAGAAAGTTTTTTTTTTTAAGGCGCCTCTCAAAAGGGGCCGGATTTCCTT
CTCCTGGAGGCAGATGTTGCCTCTCTCTCTCGCTCGGATTGGTTCAGTGCACTCTAGAAACACTGCTGTGG
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GCCGCCCGCGCTGGCTGTGCGCTGGGGCGCTGGTGCTGGCGGGTGGCTTCTTTCTCCTCGGCTTCCTCTTC
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GCTGACAAAATCTACAGTATTTCTATGAAACATCCACAGGAAATGAAGACATACAGTGTATCATTTGATTC
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TTAGGGTTACCAGACAGGCCTTTTTATAGGCATGTCATCTATGCTCCAAGCAGCCACAACAAGTATGCAGG
GGAGTCATTCCCAGGAATTTATGATGCTCTGTTTGATATTGAAAGCAAAGTGGACCCTTCCAAGGCCTGGG
GAGAAGTGAAGAGACAGATTTATGTTGCAGCCTTCACAGTGCAGGCAGCTGCAGAGACTTTGAGTGAAGTA
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Table1 4737
NNNNNNNNNNNCGTGCCGAGGTACCCCACCATACAAGCCAAGGAAGCTTCAGGGGGGGCAACCTG
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GTTGCTTCCCTGGTTGTGACATTCAGCATTCTCTACTGCAGGGCTTCTCAACCTTGGCACTATTGGCATTT
GGGTCTGGGTAATGCTTTGCTGTGGCAACTGTCCTGTGCATTGTAAGATGTTAAGCAGCATCCCTGACCTC
TGTCTACTAGATGCCAGTAACACCCCATCATTGTCAAATGTCTCCTGGGGCACAATGTGGCACCTGGTTGA
TAAACACTGATCTACT
Table1 4739
NNGTCGCCATTGTGACCCGAGAATTTAATATACTTGTGCCCCGCGCGTGTTTTGTTAACCGTCCG
CCCGAGTGTCCCCTCAATTTCTACCCCTCGCCCCTTAACCCAAAGCTAAATCCACCATCTGGTATTCTCCC
CTAGAGCACCAGATGACCATCTGAAGCTGGACAAGTGTCTCTAACAATAAAACATTACTGTTTACAAAACA
AAAAGCACAAACATAATTATGGAATAAATAAAAAACAAGGGACAAACAGCCAACTGACTCTACCCACTTGG
TGAGAAGTGATATACTTCAACTATTTTTTTAATGCTTCTGAAAGTTTCTTGGCCCACAGAGGACTAGGGTG
CAATCATTCCCTGTGTTAGTGAGTTGGGTTTAATGCAGCTTCAAAATTAGGGTAAAGGGACTTGGTGAAAT
GTTTACATTAAATATTTCACTCCTACCCATTCTTCAGGAAAAAAGGTGAGCTCAGCAAGGCTGGATGCCAT
TAAGAGATATTTACTGTTTTCTTTTTCTATAGCTAAAAAAGCAAACTTTACACGAAGAAGCTCTTGATTAA
GGAAATTTCAATAGATTCATATTTATAAAATTTTAAACATTTGGCACAGCAAAATTTGGAAAAAATGGGGG
AGAAAAAATAGGTCTGGTTGTTGTCCCCCTTTTTCCACCTGCTGCTGGACAGTGATGAGATGCTCACAGAA
GAAAAAGGCCTGGCTTTGTACCAGGCTGGCGACAGGTGCTACCAGGAGTGGGCTGAGGGGAGAAAAACTAT
CTCCCACTCTTTTGGCCCAGGCAATGTCAACGACTTCCACATTCCCTGGCCCACTTCCTGAGCAACCCCAG
GTTCGGCTCTGTATAAGGACCCTCCCCTCCCAACCCCAACCCCAGAGTGCAGTGCAAATCAACCAACAATT
TACTGGTGGAATGGCAATCAAAGGAAACAGTTAAACACCAAACAATTTCTTAAAGCCAAAAAATATTTTTC
ATGGAGTTGAACATTTTTCGAGTGTGTTTTTTTCAAGTGTAAAAGCAGTGACATTTTGTTCAAACAGAAGC
AGCATCTAGGAATTCTGGCACTTGGGTTCTAGGGGGTTACAGGTATGCATCATGGATTCTTCTCCCTCGTA
TTTAAAAAGGCCTCGTGTTTCTATTCCTGAGTTCATACCAACACCTGCTAGCTCTCCCCTCTAGCGGACAG
TGGGTGGCCAGCCAGCCTCCCTGGTTAGATTGGGCAATGCCAAGCAGACATCCCTCATTCACCTGCTGGGC
TTGCTTTCTGATTCAGAGGTAAGTCGAAGTGCAGAGAAAGAAACTTACAAAAGCACAACCACCAAAGGCAG
CCTGAACGGGGAGCCCTGTGCAGACTGAGTTGCTGGAGACTACCCTCTCAGTCCCATTCCTGGGGAAAGGT
AGGTCACTCATGGAATTTGAATCAAACATGGGGGAGGACACCTGCCAAGCAATAGTATGATGGACTCAAGT
CATCCCAGGCCATCTACTGTCTCCCTCACCTGCCCTAACCTTTTCTGAGTCCCTCCCTCTCTTGTGCAAGC
ACTGTAGTTTAAAAAGGAAAAAACACCCCCCACCATTAAAAGACAACCTTCAAATGTTACTCAGTATATAA
AGTTTGCTTAGGCTAAGGTGGAGTCAGAAATGTCTCTAATTGTAGACACCATCTCTGTGCCACCCTTCCTC
TCATCGGATATGGAGTGATTTCTTCTCTCGCTGCTGCGACGCAGATCTGAGCCACAGTCAGGTACCAATGT
ACACGACATAGGCACATGTGCAAACACAAAGAAGGTGGGCTGCTGCTTCTTTCTCTCTGCCCCTAGTCCAG
GCTCCTTTGCTTCACGTAAGATTAACACTTTCCCATTCCTCTGAAGTTGCTGGAAGGACATTTCCCAGGAA
GAAACAATTCCTCACTGCCTATAAACTGTAGTCTCATGTGGGATAGTCAATTGAACATGAGAATCAGAACA
ATCTGGGCAAATGGGTATGGCAAGAATGGGAACACCACAACAGGACAGATGCCAACTCTCATTCATGCCAG
GCCTTTTGGCATCTGGGTGCCTTCTGTGTCTTCTTTCCACCTCTTCCTTCAGTCTCAACATCCACTTGTAC
CCCCAGCTACCTCCCATGTTTCCAGGTATCATTGGCTCTTAACTCCCACAAGCCTGCCTTTTGGCTACCCA
TCCCAACAATATCAAGAGGGAATGACTAAGTATCAGCTAGAAACTTAGCCATGTCTCAACATTCCTGGATT
ATCTGAAAAGCTGTCGATGCCCTTTTACAGGTTTATGGTGACAGACCCGTATCATCTTAAAGTATGTTCAT
AGTTAAGGCTTGACTTAAGAAAATAAGAGAACCAGACATAATGGAAAGACCTCTTCAATAATGTTGTCATG
CCTCTCAGTGAACGTGCTCACAGTCACACTTGGTTTGGCTCCCCAAACCCACAATAGAAAAGGAAAAATGA
GTATTTTGTTTTTCATCTGTTTTGTATTTAAAGGCATTGGGTTACTTCCTCCTGCCCTCTTTTCTTCCCTG

Table 6

AACAAGAGTTTACAACTCCTCATGGCTTCTTAATAGGTGAAGTAGGTGAAAAGTCTGAGAAGCTCACAGCA
GGGTTTGCCGTCCCAACTATGCAGCTGAGAGGTCGCCAGCTCCTGTGCCTTCCCAGCCCCACTATAATTGG
CAGTATGTTTGTTCATGTTTCCTGAAAACATTTTCTTTAAAAAGGAAAAGAAAAAAATGCCAAACAACACC
AACCAAAAAAAAAAAAAAAAAAAAAAGAAGGAAGAAGACAAAGAGCAACATCCAAACATTCCCCAAGCCCC
ACCCCAGTAAGTCTGAGATTATCTTATTCCTTCCCTGAAATAATTATAAAGAAGCATTTCAGGCAAAATAC
TTAGTATTAATGGTCTCTTACTGCTCAACCTCCCAACCATGCCCTTTTCCCTTTTATGTGTATCTCTTGGA
GTAAAATAAATTCATTAATGGCTTTCCACATACAAATACAATAGAAAAGAAAGAAGTCTGGAACCTGACTA
TCATGGGACCAAAAAGTATCTTGGCCCTTTGGGAGTTTCCTTGTCAGAAAGTATAAGCCTCAACAGGAAAT
AGAGGCTCCTTCTCCTTTGAGTTCAATACCCTCCCTGTGTCCTACTCACCAGGAAAATAAGTGTGTTCATA
TCCCACCTAATTTACAACAGAAGATAACCCCATCCCATCCCCAAAACATAAAAATACAAGTCTATGCCCAT
AGAACN

Table1 4741

ACGCGGGGGGGTGCTCTTGTGAGCTGCTGCTCCTGCGGTTGGTGAGATTACCTGGGTCTAGAGTG
CGGAGCTGCTCCGTGGCCACGAGGACGTCACCATGCCCAAAGCACCAAAGGGAAAAAGTGCAGGACGGGAA
AAAAAAGTCATCCATCCATATAGTAGAAAAGCAGCTCANATTACGAGAGAGGCCCACAAACAAGAAAAAAA
GGAAAAATTGAAGAATGAAAAGGCCTTGCGTCTCAACCTTGTTGGTGAAAAACTGCAATGGTTTCAAAATC
ATCTTGATCCCCAAAAAAAGAGATATTCAAAGAAAGATGCTTGTGAACTAATTGAAAGGTACTGTTACAAT
GAGACAGCAAAGTTATCCGTTTATTCATCCGATCATTTAATTGACATTTATGGAGTGCCTAGTATTTTCTC
AATACTGCGCTAGAGGTGCTGGGAAGAGAGAGATAAAAATAAATGATACTCTCTTGTTCTCAAGTTGCTTG
CAAATTTGCATGCAN

Table1 4742

ACGCGGGAAGGCAGTGGTAACAACCCAGACTACGCGGGGATATTATCAGAAACTAATTGACCTCA
GAAAAGGAAATACCCAATTCCAGCCTACTCTAGTTGTCCTGTCTCCCTAAAGGGATAGGGGAGAAACTGAG
AAGCACTTGTGTAGTTCACAGTCCAGGAACACAGGCTCACTTAAAGATTGAGACCTAAGCAAGCATGGGTC
TATAGAATGTTTTCCCCTGCCCCTAAACCTTAGCAACACATTACTAAAAGCCCATACAAAGCAGTTCCTTT
TACCTGGTCCATCATATCTGGTTATCAAGAAAATATTACAAAACATACTAAAGGCAAAAAAAAAAAATCCA
CAAGTAGAAGAGGCAAAAGAAGCATTAAAACCAGAATCAGATATGGCAAGGATGCTGGAATTATTAGAAAG
AAAATTTAAAACAACTATAGTTAATATGCTAAGGTCCCTAATGAATAAAGTAGACAGAATGCAAGAATAGG
TGGGCAATGTAAACACAGAGATAAACATTCTAAAAAAAATGCTAGAAATAAAAAAGTACCN

Table1 4743

ACGCGGGAAGGCAGTGGTAACAACCCAGACTACGCGGGGATATTATCAGAAACTAATTGACCTCA
GAAAAGGAAATACCCAATTCCAGCCTACTCTAGTTGTCCTGTCTCCCTAAAGGGATAGGGGAGAAACTGAG
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TATAGAATGTTTTCCCCTGCCCCTAAACCTTAGCAACACATTACTAAAAGCCCATACAAAGCAGTTCCTTT
TACCTGGTCCATCATATCTGGTTATCAAGAAAATATTACAAAACATACTAAAGGCAAAAAAAAAAAATCCA
CAAGTAGAAGAGGCAAAAGAAGCATTAAAACCAGAATCAGATATGGCAAGGATGCTGGAATTATTAGAAAG
AAAATTTAAAACAACTATAGTTAATATGCTAAGGTCCCTAATGAATAAAGTAGACAGAATGCAAGAATAGG
TGGGCAATGTAAACACAGAGATAAACATTCTAAAAAAAATGCTAGAAATAAAAAAGTACCN

Table1 4744

ACGCGGGGGGGATTGTGCAGACAGAACTGCTGAAGGAGCATATGGCAAAGGAGGAGGTCCTGCAG
GATCCTGTGTTGAAGCAGATCCCAATATCCTGAGCCTGAGTGGTAAGGTGCTGCCATCCTGTGACCTTGCT
CGACGCTATGGCCTTCGGGATGTGGA

Table1 4746

NNNNGAAGTCCTCGTTCCACGCCTTCTCATCATCCTGAACACCGAGCTCTGGGACTCCGGCGGAG
AATCTAAACGTAAAGCATCACCCACGGTCGTGAACTGTAGGCGCCCAGGTACGCGGGGATCTTATTCTGGC
CTTGGCGGAGTTGGGGATGGTGTCGCCTAGCAGCCGCTGCCGCTTTGGCTTGCTCGGGACCATTTGGCTGG
ACCCAGAGTCCGCGTGGAACCGCGATAGGGATCTGTCAGGGCCCGCGGCCGGGTCCAGCTTGGTGGTTGCG
GTAGTGAGAGGCCTCCGCTGGTTGCCAGGCTTGGTCTAGAGGTGGAGCACAGTGAAAGAATTCAAGATGCC
ACCTAATATAAACTGGAAAGAAATAATGAAAGTTGACCCAGATGACCTGCCCCGTCAAGAAGAACTGGCAG
ATAATTTATTGATTTCCTTATCCAAGGTGGAAGTAAATGAGCTAAAAAGTGAAAAGCAAGAAAATGTGATA
CACCTTTTCAGAATTACTCAGTCACTAATGAAGATGAAAGCTCAAGAAGTGGAGCTGGCTTTGGAAGAAGT
AGAAAAAGCTGGAGAAGAACAAGCAAAATTTGAAAATCAATTAAA

Table1 4747

NNNNNNNNNAACCTTAAATAAATTTAATAACATACAATTTACTTCACACACTGGGGTTCCACAAA
GATTTCTTACTACAAACAGCGTTCTGCTTCTCAACAACCTATATAATTTGATAACCACAGATGTAGCATAA
AGTCATTCATTTTTAAACTCTAAATTCAGTTGCTTATTGGGGTTTTCACCTTGGATCTGGTACAAATTCTA
ACTAGAGTAAGAGTTCCTGGATGTGTCAAAAATCGTCACCTTCCCAACTCTTACATATGTAGGACAGTGAC
ATGACTCCTGCCCACAGAAGAACACACCTGTCCTGCCCTCTCCCAACAATGGAATGTTACAAAGCAGGACA
CGCCTGAGTTAAAATGAGTATCCCTGAGGTTGATAATTCCCACCATGCACCTTGAAGATGGTTCTTGAATC
TTTCATTCAGCCCGATGAAGAGAAGATTCATTGTAGCCAGTGTCACATTAGGTGAGAAAAATTCAGAAGGC
AACAGATTTGCGCTGCTGCACCAGCGACCCAAACCAGCCCGTGAGTGCATAGCTACTGCCAGCACTTAAAG
AAAGGTGAGCCGTTGGATACTCTGGGAAACCGAGAAAGCACCTTCTACTGCAAGCGTGAAGAACATGATGC
CCACAGAAAACACAACAGAAACAAGAAGTGAGACTCTTGAAGGTAATTTCCAGAATAGN

Table 6

Table1 4748

NNNGGAACCCCCTTTCGCCTTCTTGCCTTCCCTTTCTCCTGCCCCCCCAATTGTCTAAACTTTCG
GCCCACCCCACAATTTTTTTCTTTTCATTCCAAGAGCAGCCGAAACCAGCTCACTCATTTATTTGACTGAG
AACATTAAGAAGGACAACAAAATTAAACATTCTTTAATAAAATTCCTATAGAAAGCTCAGTCATAGGGCAA
ATACTCAGTTCTCTTTCCCATATCACCGAGGATTGAGAGCTCCCAATATTCTTTGGAGAATAAGCAGTAGT
TTTGCTGGATGTTGCCAGGACTCAGAGAGATCACCCATTTACACATTCAAACCAGTAGTTCCTATTGCACA
TATTAACATTACTTGCCCCTAGCACCCTAAATATATGGTACCTCAACAAATAACTTAAAGATTTCCGTGTG
GCGTGAAACCATTTCAATTTGAACTAATATCCTTGAAAAAAATCACATTATTACAAGTTTTAATAAATACA
GTAAGAAGAGCTGGCATTTTTCTAAAATACTGAATTTCAGATCTGGAGTTTATTCCATAAATAGGTTTCTT
TTCATTTGCTTGCTTTCTTGGATACATTTGCTCAAGTATTATTCTCTATGAAGTGAACTCTTTCATAGATA
CCATATAAAAACTGTATTAATATGTGCCTCATTATAGAAGCAGCTGGAAGAACTGGATCACACAGTTACCT
AACTGAAAAGTAACTTAGGAAAAAGCTCTGCTTTTTGTAAAACTTTAAATCACAGGCTGAAGAATACCAAA
GAAACATTTATATAGAACTCCCACTAGAAATTTTATAAATATATATGTAGCATATTTATATATATTATATT
TGCCTCACCAGTAGATTTTCAGCAAGTCTGGCTGGAATGATGCTATCATGGAAATAAATATTAACAAAAGA
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CCACCAACGGTTGAAGTTTGGTGGGGAAACTGGCAAGTGACAATACTTGGTCACAACATTGAAAAGAAGTA
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CCTTGGCGTGCAAAGTCAGCAGGAAATGATTATCCATTGACAGTTTTCATGATAAGTCTTGGAAGCATTCA
AAAAGCAGAGGGAATCATCGGGGATTGTTCAGATTAGGTTCTGTGGGATGCCTTGTTCTTAATTTAACTCT
GAGTTCCAGGATTTCATTCCCTTTATAACATCTCTAACAGGGTCATGTTCAATTTAGTGCAAGTGCAAAAT
GAAAATGAAATGAAACCAACAAATACATTAGGAGCGAAGGCTGATCGTTAAGATCTGTAGTCCCCGCGTAC
CTCGGCCGCGACCAGCTCTAGAACNN

Table1 4754

ACGCGGGGTCTCTCGGCCTTAGCGCCATTTTTTTGGAAACCTCTGCGCCATGAGAGCCAAGGTGA
GCGGTTCCTGGTAGTAAGCTTGGGAGGTAGGAGTTGGCGAGTAGTAGCGAGGAGACGAAGGCAAGTCCGCC
ATACCTCCTGAACTACTGGGTTTCAAGGGTGCCCAAGAGCTGGTGGGAGAGAGAAGGTAGTTTGTGAGAGA
GCTAGCGGTTAAGTGCTATGGGTAGAGAGGGTGGGCTTAGAAAAGGGTGGAATTCTGATCTTATGTTGGGA
GGGTGTCCAAGTTACTGATGTAGTTGTTACGACCAATCTTTCATACTTCTTGGTTAAGAATCTGTCCGGTT
CTAAAGAGTGCATTTCATATCCTTGCTAAGCCTACTAATAAGCTTCATCCCTTTTTTTTTTTTTTTAAtt
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CAGGAGGAGGGAAGTTCCTTGGACAAAACTTAGGAGAAACATTTGGTTTGGAAATCTTAAAAGATCTTTAG
GAGAAAAACGTTTGAGTGTTTTCTCCCTGGAGCCAGGATTTAACAGAACAGAGAACGATAGAACCGTAGTG
CTTGTTCATTTTACCACCTCATTCTTTATGTGGACGTTTGATTTAATGTGGGAGGGAAAGGCAACTCTGGT
TTGAGGTGTATTCCATTCCTGTGTCTGCTTTTCAGGCTGAAGCGCAAAAGAAGAAAGATGAGGCAGAGGTC
CAAGTAAACCGCTAGCTTGTTGCACCGTGGAGGCCACAGGAGCAGAAACATGGAATGCCAGACGCTGGGGA
TGCTGGTACAAGTTGTGGGACTGCATGCTACTGTCTAGAGCTTGTCTCAATGGATCTAGAACTTCATCGCC
TCTGATCGCCGATCACCTCTGAGACCCACCTTGCTCATAAACAAAATGCCCATGTTGGTCCTCTGCACCTG
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cttccgctgttttagctgaagaattaaatcaaaaaaaaaaaaaaaaaaaaaaactttatcngattaccgg
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Table1 4755

NNNNNNNNNNCGCGGTCCCCCCCTCAACATGGCGGCAGCGGTGCTCTAGGCGCCGGAAGGGGGCG
TGAATCGGTGCGACCGCGCGCGTGCGCAGTACCGGGTCCGCGCCTGTCCCCGAAACTTCGCACCCCGTCGA
ACTCTCGCGAGAGCGGTATCTGCGTGTCGGGACGTGCGGAGGCTCTCACTTTCCGTCATGGCGCTGAAGGT
AGCGACCGTCGCCGGCAGCGCCGCGAAGGCGGTGCTCGGGCCAGCCCTTCTCTGCCGTCCCTGGGAGGTTC
TAGGCGCCCACGAGGTCCCCTCGAGGAACATCTTTTCAGAACAAACAATTCCTCCGTCCGCTAAGTATGGC
GGGCGGCACACGGTGACCATGATCCCAGGGGATGGCATCGGGCCAGAGCTCATGCTGCATGTCAAGTCCGT
CTTCAGGCACGCATGTGTACCAGTGGACTTTGAAGAGGTGCACGTGAGTTCCAATGCTGATGAAGAGGACA
TTCGCAATGCCATCATGGCCATCCGCCGGAACCGCGTGGCCCTGAAGGGCAACATCGAAACCAACCATAAC
CTGCCACCGTCGCACAAATCTCGAAACAACATCCTTCGCACCAGCCTGGACCTCTATGCCAACGTCATCCA
CTGTAAGAGCCTTCCAGGCGTGGTGACCCGGCACAAGGACATAGACATCCTCATTGTCCGGGAGAACACAG
AGGGCGAGTACAGCAGCCTGGAGCATGAGAGTGTGGCGGGAGTGGTGGAGAGCCTGAAGATCATCACCAAG
GCCAAGTCCCTGCGCATTGCCGAGTATGCCTTCAAGCTGGCGCAGGAGAGCGGGCGCAAGAAAGTGACGGC
CGTGCACAAGGCCAACATCATGAAACTGGGCGATGGGCTTTTCCTCCAGTGCTGCAGGGAGGTGGCAGCCC
GCTACCCTCAGATCACCTTCGAGAACATGATTGTGGATAACACCACCATGCAGCTGGTGTCCCGGCCCCAG
CAGTTTGATGTCATGGTGATGCCCAATCTCTATGGCAACATCGTCAACAATGTCTGCGCGGGACTGGTCGG
GGGCCCAGGCCTTGTGGCTGGGGCCAACTATGGCCATGTGTACGCGGTGTTTGAAACAGCTACGAGGAACA
CCGGCAAGAGTATCGCCAATAAGAACATCGCCAACCCCACGGCCACCCTGCTGGCCAGCTGCATGATGCTG
GACCACCTCAAGCTGCACTCCTATGCCACCTCCATCCGTAAGGCTGTCCTGGCATCCATGGACAATGAGAA
TATGCACACTCCGGACATCGGGGGCCAGGGCACAACATCTGAAGCCATCCAGGACGTCATCCGCCACATCC
GCGTCATCAACGGCCGGGCCGTGGAGGCCTAGGCTGGCCCTAGGACCTTCTTGGTTTGCTCCTTGGATTCC
CCTTCCCACTCCAGCACCCCAGCCAGCCTGGTACGCAGATCCCAGAATAAAGCACCTTCTCCCTAAAAAAA
AAAAAAAAAAAAAAAAAANNNNNNNNNNNNN

Table 6

Table1 4756

GGGAGTCGACCCACGCGTCCGCGGGATCTGTCCGAGCAGGAAGCCAGCCTCAGCCCGGCCGCTGT
CGCCGCCCTGTCCTGGTGCCCGTCCGCGTCGTCGCCCTCTTCACTGGCCCTCATCACTTCTCACCGCGCCC
TCCAGCTTCACCCGTACAGGTAGCCCCGCCGCCGCGCACCTGCCTTCGCTCCCGCACCGGTGACAGTGGAT
AGTGGAAACAGGAGATCGTGGATCCTCCTTCAAAAATGGAGGATGGAAAGCCCGTTTGGGCGCCACACCCT
ACAGATGGATTTCAGATGGGCAATATTGTGGATATTGGCCCCGACAGCTTAACAATTGAACCCTTGAATCA
GAAAGGCAAGACATTTTTGGCTCTCATAAACCAAGTGTTTCCTGCAGAAGAGGACAGTAAAAAAGATGTGG
AAGATAACTGTTCACTAATGTATTTAAATGAAGCCACACTGCTCCATAATATCAAAGTTCGATATAGTAAA
GACAGAATTTATACATATGTCGCCAACATTCTGATTGCAGTGAATCCATACTTTGACATACCTAAAATATA
TTCTTCAGAAGCAATAAAGTCATATCAAGGAAAATCTCTTGGGACAAGACCACCTCATGTCTTTGCAATTG
CTGATAAAGCTTTTCGAGACATGAAGGTGCTCAAGATGAGTCAGTCTATCATTGTATCTGGAGAATCAGGA
GCCGGCAAAACAGAAAATACAAAATTTGTTCTAAGATACCTGACTGAATCCTATGGAACAGGTCAAGATAT
TGATGACAGAATTGTTGAAGCTAACCCACTCCTAGAAGCCTTTGGAAATGCGAAGACTGTTCGCAACAATA
ATAGCAGTCGATTTGGGAAATTTGTAGAAATACATTTTAATGAAAAGAGCTCAGTTGTTGGAGGATTTGTT
TCACATTATCTCCTAGAGAAATCTAGGATCTGTGTTCAAGGCAAAGAGGAAAGAAATTATCATATCTTTTA
TAGGTTGTGTGCTGGTGCTTCTGAAGATATTAGAGAAAAACTTCATTTGAGTTCACCAGATAATTTTCGGT
ATTTAAACCGAGGCTGCACTAGATACTTTGCTAACAAAGAAACTGACAAACAGATTTTACAGAACCGCAAA
AGTCCTGAGTACCTTAAGGCAGGTTCTATGAAAGATCCTCTGCTAGATGACCATGGTGATTTTATTAGAAT
GTGCACGGCTATGAAAAAAATTGGTTTGGATGATGAAGAAAAGCTTGATCTCTTCCGGGTAGTAGCTGGCG
TCCTGCACCTTGGAAATATTGATTTTGAGGAAGCTGGCAGCACTTCAGGTGGTTGTAATCTGAAGAATAAA
TCTGCTCAGTCTTTGGAATATTGTGCTGAATTACTGGGTTTGGACCAAGATGATCTTCGAGTAAGTTTGAC
CACAAGAGTCATGCTAACAACAGCAGGGGGCACCAAAGGAACAGTTATAAAGGTACCTCTGAAAGTGGAGC
AAGCAAACAATGCTCGTGATGCCCTGGCAAAGACAGTGTATAGCCATCTTTTTGATCATGTGGTAAACAGA
GTAAATCAGTGTTTTCCTTTTGAAACATCATCCTATTTTATTGGAGTCCTAGATATTGCTGGTTTTGAGTA
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GATAATCAGGACTGTATAGATTTAATTGAAGCCAAATTAGTGGGAATACTGGATATTTTGGATGAAGAAAA
TCGCCTTCCCCAGCCAAGTGATCAACACTTTACATCTGCAGTTCACCAAAAGCACAAGGATCATTTTCGAC
TCACTATTCCCAGAAAATCTAAGCTGGCAGTTCATAGGAATATCAGAGACGACGAAGGCTTCATTATCAGG
CATTTTGCGGGGGCAGTGTGCTATGAAACAACCCAGTTTGTGGAGAAAAATAATGATGCTTTACATATGTC
TCTTGAATCCTTAATATGTGAATCCAGAGATAAGTTTATACGGGAATTATTTGAATCATCCACAAATAACA
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GACAAGCCACCACTTTGAAGGTGCTCAAATTCTGTCTCAGCTTCAGTGTTCAGGGATGGTGTCTGTTTTGG
ACTTGATGCAGGGTGGTTACCCATCACGAGCTTCATTTCATGAACTCTACAACATGTACAAAAAGTATATG
CCAGATAAACTTGCAAGATTGGATCCAAGACTATTTTGTAAGGCTTTGTTTAAAGCTTTGGGCTTAAATGA
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TATGATGACGCAGGAACAAATCCAGAAAGAATATGATGCACTGGTTAAAAGCTCAGAGGAACTCCTCAGTG
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GATGGAAGCAAAGAGAAAACAAGAAGAAGAAGAGAGAAAGAAAAGGGAAGATGATGAAAAACGCATTCAAG
CTGAAGTGGAGGCACAGCTGGCCCGACAGAAGGAGGAGGAATCCCAACAGCAAGCAGTTCTGGAGCAGGAG
CGCAGGGACCGGGAGCTGGCCCTGAGGATTGCCCAGAGTGAAGCCGAGCTCATCAGTGATGAGGCCCAGGC
CGACCTGGCGCTGCGGAGAAATGATGGAACAAGACCCAAAATGACACCGGAACAAATGGCCAAAGAAATGT
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AAACAGAGCAACGTGCTCCAAAGTCTGTTACTGATTATGATTTTGCACCATTTTTGAACAATTCACCTCAG
CAAAACCCAGCAGCTCAGATTCCTGCCAGGCAGCGGGAGATTGAAATGAACCGACAGCAACGCTTCTTCCG
CATCCCATTCATCCGCCCTGCCGACCAGTACAAAGACCCTCAGAGTAAGAAAAAAGGCTGGTGGTATGCCC
ATTTTGATGGACCATGGATTGCCCGGCAAATGGAACTCCATCCTGACAAGCCACCCATCCTACTTGTGGCT
GGTAAGGACGACATGGAGATGTGTGAGCTGAATCTTGAGGAGACTGGCCTGACTCGGAAGCGTGGTGCTGA
GATCTTGCCAAGACAGTTTGAAGAAATCTGGGAACGCTGTGGAGGCATCCAGTACCTTCAGAATGCGATTG
AGAGCAGACAGGCTCGGCCCACCTATGCAACAGCCATGCTGCAGAGTCTGTTAAAGTAGATGTTGCACACC
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TTATTCTCTAACTATTACACATGGGCATATTCTGATGTTTCTCATCCTTTGCCAGAAGACTACCTTACATC
CATCGTAATTGTTCTCTAGGAAAAGAGAACTTTTTTCAAAATTCAAAATACTTCTTAAGGATGGCACAGTA

Table 6

CCATATAACTGGAGTAATAAAACATGAGCTTACATTCTTACAATAACTAAACCACTTAAAATGATCAAGGC
ACTAATGTTTTGGTCTGAAAAGCTGTGTACTTTATAGACATTTTCAGACATTTTTGGAAATTTCCATTAAA
GGTGGAAAATCTATTTTTTTCCTCCTTTGCAGTGTCTTAGTTTGAATGAAACACTTCGAAGTTCTAGAATT
CTAGAAAGAGCCTTAATGTATTTGATGTATTCTGTGATAAGAGGTACTAATAGTATCCAGCACAGATTTGC
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TTCAGATTGTTTAAATGCCTAAAAGTTTTGAGATAAGTTTTGTTTCAATTAGAAAAGGAAATAGGTTTTAG
GTGGCATAGTGGCTTAACTGGACTGAATTCAAATATTCTTTCAACTTCATCTCAATAGTGATTTTTGTATC
AGAATCTTGTCCAAGTTGTTTCATTGATTTAGTAAGTGTTCTGCTTCCAACATCTTTCTTTTTAAGAAATT
CCTAGTGTCTTTTTTGGCCTTTGAGGTTTTGGTAATTGTAGACCTGTTTCATAAGCTTTGTAATTCAGAAA
TCCTTGTATTTAGTAAGTGCTTGTTTTACATAACTGATAATTTTAAAATGTTTTCTTTGTGTGCTGTTAGT
ATTGATTCAAATGTCAGCAGCTTTAAGCCTAATATTTATGACTTTCACATTTGGAATTTAAAGACAAAAAT
ACATCAAGGAGTTATGCTGACATAATTCTAAGGAGTTTTGTTGTATTTTAGAATAAAATTATAAAGTAAAA
TGATTCTCTGTACTGCTTTTTCCCCCAGTTTTTAGAGACCCTAACCTTTGAAATGAAATTCCAGTGATTTC
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ACTGTCTTCAGAATTGCTTCTCTCATGTCTTAGTAGAGAAATATTTATTTATTATGATACATTCAAATGAT
TGTCAAGTTAAATTAAATGGTTGTGTCTGTGCTATTGAGAATGCAAATGTGATTATCTTTTGAAGGCTGTA
TTACTGCATAGCTTCACCCACCCTCGGGTCATTTCGTCCCTGTGATTGGGGACAGAAGGTGTAGCTACTGA
AGTAAATGACCTATTCTCTCTCTTCCATCTCTCGCCTTTAACTGGTGTTTTTATTTGTGTAGGATAGTGAA
TGATAAGCTTTTTTCCTAACCAGTAGTGAGTAAAGTTCTTGAACAAAATTTAGTAGCCAAATTGTTTTTTA
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AAAGAGTTAAACATATTTAAATGAGAGAATCTAATGTTTCAGAAATTTGTAAGAAATGTATCACAGCAAAG
GGTTGTTATAAGTCCTTAGTTTTTGACTCTAATAGTTAATACAATTATAGTTAATCTTAAGCCATAATGTT
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CCTTTGCTGGAGAAACTTAGGACCCTGTCAGCCTTTTAAAGGAAACAGCAGGAGTGGTGTCCTAAATGATG
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TAAATTCACTCATATTTTAATCATTTTAACTGAGATTTAAAATTAGAAGTTTAAACCACTATATATAAAGA
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AACAAAACAGTGCATGTAGGAGCACAGGGCCACACAAAGGCATTCTATTGTTATGCTCATTCTGCTTCTGT
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Table1 4759

ACAGAAAAACATTCCGCCCACGACGCCACCGAAGCTGTGGCCCAGAATGGAGAATCGATTCCATT
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ACGTCTTGAGC

Table1 4760

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Table1 4761
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Table1 4763
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GCCAAATTCCCTATAGT
Table1 4764
GCGTCCGCCCACGCGTCCGGTCATCTATAAAAATACTCACATTAAGACAGTAGCAATTCCAGCCT
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TAAAACATGCAATGAAGGAGTGTTTGGAAAAATGCATTGAGCAAAATATAACTTCCATTTCCTTTCCTGCC
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Table 6
830/3331

TTGCCAAAGACCATGTAAAACACCAGTTAACTGTAAAATTTGTGATCTTTCCAACAGATTTGGAGATATAT
AAGGCTTTCAGTTCTGAAATGGCAAAGAGGTCCAAGATGCTGAGTTTGAACAATTACAGTGTCCCCCAGTC
AACCAGAN
Table1 4766
ACCTCCCTCACCAAAGCCCATAAAAATAAAAAATTATAACAAACCCTGAGAACCAAAATGAACGA
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GAGCGCAGATGTTCTGTGTTTTACGGGGCCCCCAAGTAAGGAGCAGTACTCTTGGCCAACCCTTGTGTTCT
GCTGAAGTCTGCCAGTGTGCTGAGGGGAAGTGCCCTCGCCAGCGTCGCGCCCTGGAGCGGGGTCTGCAGGA
CGAGGATGGCTACAGGATGAAGTTTGCCTGCTACTACCCCCGTGTGGAGT
Table1 4768
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GGGCTCAGTGGCTCN
Table1 4769
CGTCCGCGCCTTCCTCcgacgCACTGTGgggggctGCAGGGGAAGCTGCGGGCCGTGGGGGCCGGA
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TTGAAGTCTCAGGAGTCTCTGGTAGCCTGCAGAAGTAAGCCTCATCATCAGAGCCTTTCCTCAAAACTGGA
GTCCCAAATGTCATCAGGTTTTGTTTTTTTTTCAGCCACTAAGAACCCCTCTGCTTTTAACTCTAGAATTTG
GGCTTGGACCAGATCTAACATCTTGAATACTCTGCCCTCTAGAGCCTTCAGCCTTAATGGAAGGTTGGATC

Table 6
831/3331

CAAGGAGGGTGTAATGGAGCATCAAGCCACTCGGCGGCAGCATGGAGCTATAACTAAGCATCCTTTAGGGT
TCTGCCTCTCCAGGCATTTAGCCCTCACATTAGATCTAGTTACTGTGGTATGGCTAATACCTGTCAACATT
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ATAAAAAAAAAAAAAAAAAAAAAAGT
Table1 4770
NNNNNGCGTCCGCGGAGGGCGCTGCGGTAAGGAGCAGCCGCCACAGGCACAGCCGCTTCGCAGCC
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NNN
Table1 4771
NTATAGGGAGTCGACCCACGCGTCCGGGCTTCGGCCGGCTAAGCCGCGGCCACCCGCGGTCTGAG
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CGGGGCCGCGCTGCACCTCTGGCTGCGGCTGCGCTCCCCGCCGCCCGCCTGCGCCTCCGGGGCCGGCCCTG
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TCTTTCAAGAGAGTTCCAGACTGGCACTTTCACCCAGAACCAATGCGGTGTTTCTTAATGTTTGCACAAAT
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ATAN

Table1 4772

TCCGAGACACTGGTATCATTTCTTGAATGAAACACATTTTACAGATGAGGCAACTGAGGCTGAGA
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AGGGAGCTGGTCTAGCGGCTGCAGTGTTAACCCGAGGCCCCGCCCCCAACGGGTGGCGCGAGGCGGGGCGT
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Table1 4773

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Table1 4774

CTGAACTTATTTGTTAAAGAGTTGTGGCCTATTACCTCCAAATAAGATGCCAATAAATTAATTCA
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Table 6
833/3331

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Table1 4775
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GCGGCGCAGAGCACCAAGCAAGCGAAAGACGACAAGCACCACGCGACAGACAACGCGCACACCGGCGCGAC
CGCGGAGGCAACCGACAGAGAGAACGAGAACAGCACACGACGCACGCGCAGAAGCCGGAAACCAGGGAAGC
GAGACAAACGCGAGCATAGGACANNNN

Table1 4776

ACGCGGGGGAGACTTCTCCGCCGCCTCCGCCGCAGACGCCGCCGCGATGCGCTACGTCGCCTCCT
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GGTTTTCAAGGCGAACAACAACCGGTTAACCAGGGTTATCAGTGACCTGAATGGAAAAAACATTGAAGACG
TCATTGCCCAGGGTATTGGCAAGCTTGCCAGTGTACAGGTGAAATGATATGTTACTGGTATTCGCTTCAAA
ATCATCTGAGTGTGGGGTAATTGAGTACCTCNNN

Table1 4777

ACAATATGATGGAGTCTTTCTCTGTCGCCCAGGCTGGAGTGCAGTGGCACGATCTCGGCTCACTT
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Table1 4779

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GTCNNNN

Table1 4783

GCGTCCGGCAATAACTTGCTTTGTCACCTCGGCAAGTCATTTCCAAATCAGGAAGGGGTCAGTTT
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Table 6

CCATCCCCTGTAAGCACCCAGGAAGCTGGGCTTGGGCCCTGGGACATGGGGTGGGACTGCCACTCCTGCCT
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CTCTCTTCCACGGAACTCCAGTGGCAAGGGAATCCAGAAACGTTTTCTTTTTGCCTGGAGATGCTAATCCT
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AACCAGAACTTTGCTGCAATGGCCATTCTTATATGCCCCTATGGACCCATGGGACAATTCTCTGGGATACA
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GCTTTTGGTTTTGCATCTTCTCAGCACTTCTAGGGAGGCACCAAAAGGGAGGATGGCACTGACTGAGCCCA
CCTGAGATAGCTCCTAGACCCCAGCCCTCTGTGTCCTCAGAATCACACACTGCTGCTCATCACTTCAGCTT
CCCGAAGATCATGGCAATAGCAGCATGCCTGTAACTGTCCCAAGTACAACCAAAAATTCTTCCTAAAGAGA
GGGAACCAAAGTCACACGGGTCACCTTGTCCACCTGTGTGGACGTTGCTCATGTTCACATACCCTTCCTTG
CCTCCTTCAAGGCAGGTCTGGCCACAAGCCCACACCTGGCTAATTTGTAAAATTTTTTGTAGAGATGGGTT
CTTACTATGTTGTCCAGGCTGGTTAAGGCCTCCTGGGTTCAAGTGATCCTCCTGCCTTGGCCTCCCAAAGT
GCTGGGATTATAGGTGTGGGCCACCCGGCCCAGCCTTACCCTTTTTTAGGAATTAAGTCCTCCCCTCCAAA
NNNN
Table1 4785
NNACATTTTTGTAAAACTTCAAAGATACTTACCTAGTAATATAGTATAGAATTTATATTCTGAAA
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Table1 4787
GCGTCCGCTCGAGCTCATGCATGTGAAACGTGTGCTTTGCGAAGGTGGCTATAACTTCAAAACTG
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Table1 4788
ACGCGGGTGGTTGGATCTCAGCTGGAAGTTCTGTTTGGAGCCCATTTCTGTGAGACCCTGTATTT
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Table1 4792
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Table1 4793
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Table1 4794
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Table 6
838/3331

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Table1 4795
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Table1 4796
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Table1 4797
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Table1 4798
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Table 6
839/3331

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Table1 4799
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tgatc
Table1 4801
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Table1 4802
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Table1 4804
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PCT/US02/39569

Table 6
840/3331

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Table1 4805

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AAGTTCGATTTAATGGCTTTGGGATTTTTCTCTTCATTATTTATCCTGGAGCATTTGTTGATCTGTTCACC
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AACCAATAAAGACTGTAAAAAAAGCTCAAGTTCAAGTTTCTGTATAATACCTTCTTTGGAAACTCACACTC
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CTTTGCCTCCGGGCCGGGGAATCACACACTGGTCGTGACCAGGGGCCGGGGCATTCAACACCGGCCTTCCA
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Table1 4806

acGCGTCCGCTTGCTGAGGGGTGGGGGTGAGCAAGGCGAGGTTGCCTCATGTCTTCTCCAAAGGG
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GCGCCATGTCCCTGATCCAGGCAGCCAAGAACTTGATGAATGCTGTGGTGCAGACAGTGAAGGCATCCTAC
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Table 6

CCACTATGAAACCACGACATCCAAGaggccaAAGTCGTCTTCTCTGCCTTCAAGTCATAGATTTGCCCGCA
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tccttcccagctggcatccccaccctaagcaaggttccctaaagagaagcttgttgacattttctcccctt
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ctggcaattgcttgagacctaccgggcaaccgnctgggggcttgcggggaagaagaggaggacaaggctct
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aaaag

Table1 4807

acccacgCGTCCGGTTATTTTTGaTTCTttatGGGAAGGGGCGGCACAGGGCCGAGGCGTAGTGT
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TGGCTCTTGGG

Table1 4812

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Table1 4813

NATAGGGAGTCGACCCACGCGTCCGGGACAGGAAGTGTCAGGACTTTACGACCCGCGCCTCCAGC
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CCGGCTGCACCTGGTGCCAGAAGCTGAACTTCACAGGGCCGGGGGATCCTGACTCCATTCGCTGCGACACC
CGGCCACAGCTGCTCATGAGGGGCTGTGCGGCTGACGACATCATGGACCCCACAAGCCTCGCTGAAACCCA

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GTGCTGAAGCTGACCAACAACTCCAACCAGTTTCAGACCGAGGTCGGGAAGCAGCTGATTTCCGGAAACCT
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TGCCAATTTATTTACATTTAAACTTGTCAGGGTATAAAATGACATCCCATTAATTATATTGTTAATCAATC
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TGGCGGCCGTTATAGTGGAACCGAGCCGGGTACCAAGTCNN

Table1 4814

NGAGAATACAAGAACCTTTTATTTTCCATCCAGTTGGGCAGCAGGGAAAGGCTAGGTGGGCCCAG
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TCTCCCCCTTGAGGTCACAGATGTTGAAGTTGGAATCTCGCTCCTTCCCCTGACTACCATCCTAGGCTGGG
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TGTTGAGTCTGGGAGCACTAGGTCTTCATAGTTCCAGGCCCAGAGCTACAGCTGGGCTGGGAGCGTGTGTG
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GGGACTTCCACAAACTGGAACCGCTTAGGGACTTGGAGGCCTCCCAGGGGTCTAGGCCAGCTGAGTTGTGA
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GGGAGGCCTCTACCTGCAGCACGTGCTCTATGGCTCTCCGCTTGTAGGTCAGCAAGTTCTCCATTTCATCT
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Table1 4815

NNNNCTATGGCTCCCATTTGTAATACAAGGAAATGTCAGCTTCTAGTTTTGTAACGTCTTGCCCA
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CAGCACATCCTGTCTGCTTGTGTCTGCTGCAGAGTTCTGTCCTTGCATTGGTGCGCCTCAGGCCAGGCTGC

Table 6
843/3331

ACTGCTGGGACCTGGGCCATGTCTCCCCACCCCACCGCCCTCCTGGGCCTAGTGCTCTGCCTGGCCCAGAC
CATCCACACGCAGGAGGAAGATCTGCCCAGACCCTCCATCTCGGCTGAGCCAGGCACCGTGATCCCCCTGG
GGAGCCATGTGACTTTCGTGTGCCGGGGCCCGGTTGGGGTTCAAACATTCCGCCTGGAGAGGGAGAGTAGA
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ACAGACATGCACATACACTCACACGCCCCAGGAAATCCAAGGAATCACTGAGCCTGCTGTTGGTTGAGGCA
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Table1 4816
NNACTATAGGGCGAATAGTAGCTGCACGCGCGGTGGCTGCACCGCGGCAGGCGGCCGAGGCACGC
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GTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCATTGTCAACGGAA
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Table1 4817
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Table1 4818
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AGCAATTGACAGCTCAAACCTGAAAGACGATTACAGCACTGCACAGAGAGTAACATACAAATACTACGTTG
GACGCAAGGCTATGTTTGACAGCGATTTTAAGCAAGCTGAGGAGTACCTGTCATTTGCCTTTGAGCATTGT
CACCGTTCTAGTCAGAAGAACAAAAGGATGATTCTGATCTATTTGCTTCCAGTAAAAATGCTATTGGGTCA

Table 6
844/3331

CATGCCCACTGTGGAGCTCCTGAAAAAGTATCACCTGATGCAGTTTGCGGAAGTAACCAGAGCTGTGAGCG
AGGGCAACCTGCTGCTGCTGCACGAGGCGCTGGCGAAGCACGAGGCCTTCTTCATTCGCTGCGGAATCTTC
CTCATCCTGGAGAAGCTGAAGATCATCACCTACAGGAACCTCTTTAAGAAAGTGTATTTGTTACTGAAAAC
ACACCAGCTGTCTCTGGATGCTTTTCTGGTTGCCTTGAAGTTCATGCAGGTGGAGGACGTGGACATTGACG
AAGTTCAGTGTATTCTGGCTAACTTGATATACATGGGACACGTCAAAGGCTACATATCGCATCAGCATCAG
AAGCTGGTGGTCAGCAAGCAGAACCCATTTCCTCCCCTGTCCACGGTGTGTTGAAAGTACACGGAGCCCCG
AGGACGGACTCGGCTGGTTCTGGAGTCTTTGTGAGACTTCTTTGAAGGAGGCTTTGCGTGAAGGCTGCTCG
GCTCACTTTTCCTAAGTGTGGTTCCTGAAGGCTGTCTTTGTAACTTTTTGTAGTTCTTTGTGTAAAAAGCG
TATTCTGAATTTATACACATGGCATGTTCTTCATTATATCTTCCAGGATACATCTATTTTTATATATTAAA
TTTGAATGTGTTATCAAAATGCTTGGTTAACTTAAGGCACCTTTTTAAAAGCAGAATTTAATTTGATTTAA
ATTTTCCAGATTTTATAGCTTGCCTGTATGGATGCTCCTCAATTTATGATGGGGTTACATCCCAATAAACT
TATTTTATTTGCCTTTGCTTTGTTGGTTAAAAAAAAATTTCTTTTAAAAAACCATCTTAAATTGAAAATAC
ATTTAATACACCTGCTACN

Table1 4819

NNNNNAGCGTCCGGCCTGCCGGGGTTTTCCACCTCATCCCTTTCCTCCGGCCCCTTGATTTGTGC
TGGACAACAAATGGCAGCACCAGGACCTCGCCTCATGTGGCTTTGTCTTGGATCTTGCCCTTCTCCATCGC
TGATGTGATACAGCTCTAGAATTTCGTGAAGTTGCATGCAAAGTTGCATGCAGCCCGTGGGTATGACTGTC
TCAGGCCCCCAGCTCATTTGCCAAGAGGAAACCTTAACCCCCCTGAGAGGGTCTGCGTTTCTTCTAGAGCT
CCTACCTCAGTGGTGTGCACAGAGTTGGAGACACCTGAGGGCTGGTCCACGTCTCACCTTTGCCATACGGG
TCATTTCTTGATCAAATATATGACTGGGGTCCTGGTTTACTCCCGCCCACCCTTTCTTTTAAAGTATTCTT
AACATGAAATCCACAAAAGCGGAAACAATGAACCATTCTTGCACTTTACAGAATCATTGTCCTTAGCTTTA
GAGGTTGTTAATTTCTTGTTTTTAACATGAACAGAATGTGTGGTTCTGAAGGTGTGTGGGGGTCTCAAGAA
ATTGTCCTTTGGGGCCGGGCGCAGTGGCTCACGCCTGTACTCCCAGCACTCTGGGAGGCCAAGGGGGACGG
ATCACCTGAGGTCAAGAGTTTGAGACCACCCTGACCAACATGGTGAAACCCCGTCTCTACTAAAATACAAA
AATTAGGCAGTCGTGGTCGCCTGTAATCTCAGCTCTTCCGGAGGCTGAGGCAGGAGAATCGCTTGAACCCA
GGAGGCAGAGGTTGCAGTGAGCCGAGGTTGCGCCACTGCACTCCAGCCTGGGTGACCGAGTAAGACTGTCT
CAAAAAAAAAAAAAAAAAAAGAAAAGAAATTGTCCTTTGGTTGCCTTAGTTACCAGAGTTGAATGAATGTAC
ACATTTCGGTAGTGGGGGGGCAGAGCGGATAACCCCTTCCTTGTCTGTTTCCTTTGAGAAAGGACACTCCA
CCTTTTCAAAGGTACTTAAANN

Table1 4820

CGGTTTTTTTTCTTATGCCACGGGAAGTTTAGAGAGCTAAGATTATCTGGGGAAATCAAAACAAA
AACAAGCAAACAAAAAAAAAAGCAAAAACAAAACAAAAAATAAGCCAAAAAACCTTGCTAGTGTTTTTTCC
TCAAAAATAAATAAATAAATAAATAAATACGTACATACATACACACATACATACAAACATATAGAAATCCC
CAAAGAGGCCAATAGTGACGAGAAGGTGAAAATTGCAGGCCCATGGGGAGTTACTGATTTTTTCATCTCCT
CCCTCCACGGGAGACTTTATTTTCTGCCAATGGCTATTGCCATTAGAGGGCAGAGTGACCCCAGAGCTGAG
TTGGGCAGGGGGGTGGACAGAGAGGAGAGGACAAGGAGGGCAATGGAGCATCAGTACCTGCCCACAGCCTT
GGTCCCTGGGGGCTAGACTGCTCAACTGTGGAGCAATTCATTATACTGAAAATGTGCTTGTTGTTGAAAAT
TTGTCTGCATGTTAATGCCTCACCCCCAAACCCTTTTCTCTCTCACTCTCTGCCTCCAACTTCAGATTGAC
TTTCAATAGTTTTTCTAAGACCTTTGAACTGAATGTTCTCTTCAGCCAAAACTTGGCGACTTCCACAGAAA
AGTCTGACCACTGAGAAGAAGGAGAGCAGAGATTTAACCCTTTGTAAGGCCCCATTTGGATCCAGGTCTGC
TTTCTCATGTGTGAGTCAGGGAGGAGCTGGAGCCAGAGGAGAAGAAAATGATAGCTTGGCTGTTCTCCTGC
TTAGGACACTGACTGAATAGTTAAACTCTCACTGCCACTACCTTTTCCCCACCTTTAAAAGACCTGAATGA
AGTTTTCTGCCAAACTCCGTGAAGCCACAAGCACCTTATGTCCTCCCTTCAGTGTTTTGTGGGCCTGAATT
TCATCACACTGCATTTCAGCCATGGTCATCAAGCCTGTTTGCTTCTTTTGGGCATGNNN

Table1 4821

NNNNNAGATGTGTGCACACCCGGATGTTGTCCGGCTTATCGTGGGCGTCCCAGAGGCCCCGCAGA
GTGTCCTTCCAAGTCGAGGCCTGTTCCCGGCGGCGTTAAGCGCGCCGTGCCCGGTCTTATAAGGTCTCCTT
AGGGCCCTTGACCAAAAGCGGGACGCTAAGTTGGCCCCGGGATTCTTTTGACCCGCGCCCTTGTTGTGTTT
TTGGCAATCAGTTTATGTTTAAAGAATTATACGTTACATGTTGACATAGAAAAAGACATTTTAAAGAATGT
TCTTAAAAGGTTTATAAAAGGCATTTGTTCTGGCCAGGCATGGTGGCTCCCGCCTGTAATCCCAGCACTTT
GGGAGGCCAAGGCGGATGGATCACCTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATGGTGAAACTCC
GTCTCTACTAAAAACACAAAAATTTGCTGGGCATGGTGGTGTAATCCCAGCTACTCGGGAGGCTGAGGTAG
GAGAATCACCTGAACCCGGGAGGCAAAGTTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCCTGGGC
GTCAGAGCGAGACTCTGTCTCAAAAAAAAAAAAAGCATTTGTTCTGAATGTGCCTCATCATCCCAGGCAGG
CATCTGTAAGTTTCCATTGTTTCCACAAAAACCAGTGGGGTTCCCCTCTCTGGAAAAAAGCACGAACATTC
TTGCTGCTTGGCAATGGGTGGCTCTCATGCCCACACCTCTCCACCCAAGGGAACAGTCTCTCTGCTCCTCA
CCTGGCAGAAGCCCAGACCCTGAGTCCCTAGCGCGGGGCAGAGCACAGAAACATGATCCAGATGCAGCAGG
CCCCGCCCGTCTAGTTCTCCTGCAACAGCCTCTTAGCACTGCTCCACTCTGACCTGCCCGGCTGGAATCAC
AGTTCCCACTCCGGCACAGGTAAAGATGAGCTCCCAGGATCCAGCAGGGGCTCTGCCCCTGGGGATCTGCC
GCCAGCCGGCTCTTCCCGGTGGACAGAACTAGGAGGGGCAGGCTGTACCCAGCACATCTCAGAGAGATGGA
GGCAAGCTGGGTTCCTGATGATTTCCAGCTAATACAGGTCCTTCCTCCTGCATGCAGGCGCCCCGTAACGC
TTTATAACAGACGCCTCTAGACTTCTGTGGGGGTAAAGTGAAGGACCCAAAGCGACACAAGTAGTGTCTGT
TCACACTTCCACTTTCAAAGCTAACTACTAGCTGTTCAAATATACTCCATACAGCTTTCAGCAAATCAAAG
TGTTTACCTCTCCCACACCAAGGGAAGAAAAGATGCAGACTGCCTTTAAAGCACCTGTCAGCAAGGCGAGG

Table 6
845/3331

GTTTTAAAGATCAGCCTTGAGAATCAAAGCAGCAGCAGAAGTGTCATTACTCCAGTGCTCTCCCTTCCCGT
TCGTGGGTCACACAGAGACAGGCACATCCCCAGCGCTTTGCAAACAGAAGCGCTCCCAAAAGTTGGCTAGA
GGGTACACTTCGGCAAAGGGATCATCTTCCCCCTGGCTTGCTGGACTCTTGGAAATGCGTCTGAAAGCCCT
TGCCATCCCGTCTTGTGCTGATGACAGCATGAGCCCGGTTGCACCTTGCTCAGCAACAAGCTGCGAGATCC
TCAGCTTCTCACTCATACCCCACCTTGAGCTGCTGACGGCGGCCTGGAGAACCGTGTGTGGCTGTTCCTGG
ATGACATCTGCTGTCACTAGCCTTCCCAGAACACCCGCTGCCCAGGGTTCCTGCTGCCTTCCCCGGTGGAC
AGATTTTGCAGGGAAGACTGAGGAAATGGGAGGGGGAGCTCTGCTCTAAAGCAGAAGGCACAGAAGGTGGG
GTTTTTGTTTTATAGGGAGACTGCCCAGTGTGCTGCAAAAGGACAACCAACAACAGGGAGTGCCCGTACTC
ACCCCCTCTGCATGATTGCTGGTCAGTGGACGAGAGGTAAAAGCAGGCAGGATTATTACAGGAATAAATCT
GCACTTCCAAAGAGGCAGCTCCCATGACTGAGTTTACAATGCTTGGAGCCCCCCAGGGCAAGAGTGGCACC
AGCTGGGAGGTTGACACTGCATCACTGCTTCGGATGCCCTCACAGGCTCTGACTCGCTGCCAGGTGCTGGT
GAGGCTGGAAGAACTTCCTTCCTTCCTATGTACAATGCAAACAGTGCCGCTTCCAGTGCTACCCACACGGG
TGCAGCCTCACGGGAGAGTTGCGGAGAGAGGGAATGCGTTCAGTTCAGCCAGCGGACGGCCAGGGGTAAGC
GGCCCCTAGTGGGTCACATGGCCTATGATGTCTGGAGACCGCAGATCTTCACCCTCTGGAGTCTCATTTGC
AGAGTCTCATTTGTCGTCCGGTCACTGTGGCCACCTCACCCTCGTCACCACGGGCCTTTCCTGTGCCGTGC
TCACTCTGACACTGAGATGCTGCCAGGCAGTTTTTTTTTTTTAAATCAGTGGAGTAAGTTCTAAGGGAGCC
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TTACAGGACAAAAAGTTTTGTACTTGAAAACCAAATTCTGGGAAATAGCCCTGCAGGTTTTTGGGAAGCGT
CTCCCTCCCTGTCGTGAGTTCCACCTGGGCCCTCCGGGAGAACAGGGACAGGAGAAACACAAGCAAAGCAG
ACAGGCCCGGAATTGGGAGCCTGAGCCCTGCATATTTTGGAAGGGAACCCCTCGAGGGACTAGTCTGGAAT
AGTAGGCCAAACGGTAGGAAGCTTTGATTACTCTGCTAACTTGGGGGCCCAAGAGTAGGGCTAAAGCATTG
TCTGCAGAGAAACAAACAGGGAAATTCAGTAAGAAGGGCCTATTTTAACTTGCAGTTAGCAGGAGAATTTG
TCCCCAGATTTTGATCTAGCTTAAAGTCCCTTGATTCCTTCCCCTCTACAAATGGCAATCACGGTTGCCCT
AGAGATGCTGACTGACAAGGTCTCCCAAAGGAGGGGCCCTTCTGCCATTTATGGGCCCCTAAGTGCACACG
TGGGCTTCCATGCGGATGGAATCATTGGTCCCCACCAGGGAACCTGGACTGTGGGAGCTGCCGCCACCATA
GGACCCAAGGGCTTCCAGACCAGGAAGAGGCAAACAGCCTGCCTGGGAACACAGTGCTGGAACTTGGGACT
TGGGTTCTGAGCGGGGCTGCTCCCTGGGCTGTTGTCATCACTCTTTCCTTTTTTTTTTTTTTTTCTTTTG
AGATAGGGTCTCACTCTGTTTTCCAGGCTAGAGAGCAATAGTGCAATCACACCCCACTGCAGCCATCTGTC
TCCTGGGCTCAGGTGATCCTCCCACCTCAGACTCCCGAGTAGCTGGGACCACAGGAGGGCACCACCATACC
TGGTTTTAAAACTTTTTGTAGAGATGGGGTCTCACTATGTTGCCCAGGCTGGTTTCAACCCGGACGGCGNN
N

Table1 4823

ACGTAGTCTAGGCCATATGTGTTGGAGATTGAGACTAGTAGGGCTAGGCCCACCGCTGCTTCGCA
GGCGGCAAAGACTAGTATGGCAATAGGCACAATATTGGCTAAGAGGGAGTGGGTCCCGCGTACGCGGGGTA
GACTGAGGGATTTTAGCCTCTTCCCTCTGATTTTTCCTTTCGCGAATCCGTATCTGCAGAATGGGCCACTG
TAGGGGTGGGGTTTATTTTGTTTGTTTTTTTTTTTCTTGAGTTCACTTGGGATCCTTATTTGGTATGACTT
CTGCTGAAGGACAGAACATTGCCTTCCTCGTGCAGAGCTGGGGCTGCCAGCCTGAGCGGAGGCTCGGCCGT
GGGCCGGGAGGCAGTGCTGATCCGGCTGCTCCTCCAGCCCTTCAGACGAGATCCTGTTTCAGCTAAATGCA
GGGAAACTCAATGTTTTTTTAAGTTTGGTTTTCCCTTTAAAGCCTTTTTTTAGGCCACATTGACAGTGGTG
GGCGGGGAGAAGATAGGGAACACTCATCCCGTGGTCGTCTATCCCAGTGTGTGTTTAACATTCACAGCCCA
GAACCACAGATGTGTCTGGGAGAGCCTGGCAAGGCATTCCGTCATCACCATCGTGTTGGCAAAGGTTAAAA
CAAGAAACAAAAAACCACAAAAATAAAACAACGAAAAAAAACAAAAAAGCCAAGAAAACCAACACACCGAG
TCAGCCCTTGGTTCGGCTACAAACCCTCAAGAGGGGAAGCAACCTCCGGCAGCCGGGGGTCCCCGAGGGAG
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GTCTGGTGTGTGGCCAGGTGACTACCCACGGTAGGTTGTGTCCACACCATGGACTTCAGGCCACGGGCGTG
GATGCCTAAGCTCAGCATGGACGGTACATGTTGCCAACGGGCAATATCCCCGGTGGGCGACCAGCCGAAAG
CTATAAGCAATGTAACAGGGAATGTTAAGCACAACTACTGGAGAACTCGGGAAGGGGAGCAAN

Table1 4824

NNNNNACACAGTCCAATGATGCTAAAAAGCAAGCACATATGTAAGTCTGCAAAATAACCAGCTGA
CAGCATGACGACAGGATAAATTCCACACATACCATTACTAACCTTAAATGTAAATGGGCTAAATGCTCCCA
TTGAAAGACACGGGGCAAGCTGGGTAAAGAACCAAGACCCACTGGAGTATGCCGTCTTCAAGCAACCCATC
TCACGTGCAGTGCCATACATAGGCTCAAAATAAAGGAATGGAGAAAAATATTTCAAGCAAATGGAAAACAG
AAAAAAGGTGTTGCACTCCCAGTTTCTGACAAAACAGACTCTACCAATAAAGATAAAAAAAGAGAAGGACA
TTACAAAGGTGGTCCTGACCTTTGATAAATCTCATTATTGCTTGATACCAACCTGGGCTATTTGTATTGCC
CAAACCAATAGGATAATTTGCTGAGGTTGTGGAGCTTCTCCCCTTCAGAGAGTCCCTGATCTCCCAAAATT
TGGTTGAGATGTAAGGTTGATTTTGCTGTACAACTCCTTTTCTGAAGTTTTACTCATTTCCAACAAGGAAG
GCAAGTTTTCCTGCTTCCATGACGATGGAGAGCAGGCACCTCCTTTCCTGAGTTTCAGCTTGCTTCTGACA
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CAGGTAAGTAGCTGAATTAGAGTTTTGTCTTAAAATTTTTCCTTAATGACTAAAATTTAAGATTACCCACC
AGCTGCTTTTAATTTCTCCTTACCATTAGAACACTCAGTAATCATATGAATTGTGCATTTGTTTGTTTTGC
TTAACTCTTTCTGTTTGTTTATGTTTGGGGTTTTATTGTTGTTGTTTCACTTTTCTCCCATCTCTTCCTGA
CTTGGTCAAATCCAAAGGAATGTTCCAAATTGTGGGGAGCAAGGCATCTGAAATGGCTAAAACTCCTGTGG
CTGCAAAAATAAACTCAACAAGTTTCCAACTAACCACCCGAATGCAACCAGACAAAAGCACGAAAGCAAAG
GAAAAAACCCAATAAATAGAGACGTGGCGAACAACCACGCACACAAAATCAAGCAGCACAAAAAAGGGTGG

Table 6
846/3331

GCCGCCGCGAAACTATACAACTGTTGGGCCCGAGAAGAAACGACAGCCTCACACCGGCAGTGGTTCCAAAG
CGGGGCTCAACGTGTTACTGCCCACCCGACACCAGCAACAAGCACGACAGCTCGCACCACACCAGGAGAGC
AGAGACAGCGGCAAGGACAACACGCGAGCGGCCAAGGCGCCGACCAGCGAAGAAACAAACAACCCCAGAGA
GACACACAGAAGACGCAGAGACAAGAAGCAAAATCGCGACCCGCGCAGAGACGCGACACGCGCACGCACGG
ACGAAGACAGGGAACGGAACCGCAGAGCAAGCACGAACACGACACACAGCAAGCAGCCAACGGCGGCCGCA
ACAAGGGAGCCAGCAGCGGGAGAGAAAGGAGAGGGAGGACGCCGACCCCGAGCACGAACCGGAGAACCCCA
CCAGGCAAGACAGAGAGAAGCGAGCGAGACAGAAGGCAGAGAGGGTCGCGACGGAGCGCGGGAAGCGCGCA
GACCAGAGCGCGAGAGAGCTAGAAAGCCCGAGGACAGCGGGCAGACGGCCAGGCGAGCAGAAGCACAGACG
GACGCGCGAGAGAGGAGCAGCGAAAGACGGCCAAGAGGCGTAGCGAGCGGAGGCAGAAGGCGAAGCCAAAG
GAGCAGCAGCACCGAAGCGAAAGACAGAGACACGAAGACTGACGAGCAGACCAGAACGACGAAACGCAAGG
AGCACGAGAGAGGACGAGCAGCAGGCCGAGCCGAGCAGGGAGCGGAACGCAGGAGCAGAGAGGAAGGCAGG
AGCAGCAACCAGCACAAACGGACAGAGGGCGGAGAGGACGACCAGCACGACGGCACAGGGGGAGACGCGAG
GACGGCGCGAAGCGACAGCACGGGCGCACGTAAAGAACAGAAGCGGN

Table1 4825

NNNCCCCTTTTTTTCCCCGGGGGGGATTTACCCCCCCCAAAAGGGAAAAAAAAGGGGGGGCGGGG
CCCCCCCCCCCGGGGGGGGGGGGGAAAAAAGGGGAAAAAAAATTCCCCCCCCCCGGGGGGGCCCCTTTTTT
TAAAAGGGCGCCCCGGGGGGGGATACTTTTTTTTTTTTTTTTTTTTTTTGGAGGTTGAATGCAGGGTTT
TATTGAGTGGTGGAGGTGGTTCTCTGAAGGATGGATGCAGAGCTGGAAGCGGGGATGGCACGGGAAGATAA
TCTTCCTGCTGGGTGGCCAAACCTCTCCGACCACCCTCGGCTGAACTCCTCTCGGCGTTCAAATGTTCCTC
TTCTCTCTTTCTCTGCTGTATCGTTTCACCATTCATCTGCTTGTCTGGGATGGTGAAGACAACTGTTTGCT
CATTTGCTTGGCGATAGGTGATTGTCTCGCCGCTCAGCTATAGGCGATGGTCTCACCACTCGGTGATAGGC
GATTGTCCCATCTAGGTCGCCAAAATGTGTCTGGAATTGGTGGGTTCTTCGTCTCACTGACTTCAAGAATG
AAGCCGCGGACACTCGCAGTGAGTGTTGCAGTTCTTAAAGGCGGCATGTCTAGAGTTTGTTCCTTCTGATG
TTCGGATGTGTTCACAAGATTCTTCCTTCTGGTGGGGTTCATGGTCTCGCTGGCNN

Table1 4827

ACAGTTGGAATCCATGGCAGTTTTATGGAGGCCAAATATATCAGATGAATAGGCTAATTTCCCTG
AGTTGCTGGCCTTATTAGTCCCTACTCTGTTGCCCCCTGGTTACCTAATGCATGTTCAAAAGGTATAGTTT
TCATCACCTGCTTGATCTTGATTTTCAGACAGCATCAAATCAGTTGCAAAACAAATCCAAGCTAAAATTTT
GAGTGTATGATTAATTTACTATAGCATGTAATTATGCAGTATTTTATTTTTTGTTTTTTATTTTTTTTGAG
ACAGGGTCTCGCTCCATTGCCCAGGCAGAGGTTGCAGTGAGCTGAGATCACACCACTGCACTCCAGCCTGG
GTGACAGAGCGAGACCCTGTTTCAAAAAAATAAGAAATAAAAAGTGAGTCTTCATATTCAAATTAG

Table1 4828

ACATGGTGGCAAGTGCTGGACTCGCTCCTGAATTCCCAAAGAAAACGCCTCCATAATGCAGCCTC
CAAACTGCACAAATTGAAAAGTGAAGGATTCATGAAAGTTCTTAAATGTGAAGTGGAATTGATGGCCAGGA
TGGCAAAAACCATTGACAGCTTCACTCAGAATCAGACAAGGCTGGTGGTCATCATCGATGGATTAGATGCC
TGTGAGCAGGACAAAGTCCTTCAGATGCTGGACACTGTCCGAGTTCTGTTTTCAAAAGGCCCGTTCATTGC
CATTTTTGCAAGTGATCCACATATTATCATAAAGGCAATTAACCAGAACCTCAATAGTGTGCTTCGGGATT
CAAATATAAATGGCCATGACTACATGCGCAACATAGTCCACTTGCCTGTGTTCCTTAATAGTCGTGGACTA
AGCAATGCAAGAAAATTTCTCGTAACTTCAGCAACAAATGGAGACGTTCCATGCTCAGATACTACAGGGAT
ACAGGAAGATGCTGACAGAAGAGTTTCACAGAACAGCCTTGGGGAGATGACAAAACTTGGTAGCAAGACAG
CCCTCAATAGACGGGACACTTACCGAAGAAGGCAGATGCAGAGGACCATCACTCGCCAGATGTCCTTTGAT
CTTACAAAACTGCTGGTTACCGAGGACTGGTTCAGTGACATCAGTCCCCAGACCATGAGAAGATTACTTAA
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ATTCCAGATCAAATGACATTAAAAACCATCTACGAAAGAATATCAAAGAATATTCCAACAACTAAGGATGT
TGAGCCACTTCTTGAAATTGATGGAGATATAAGAAATTTTGAAGTGTTTTTGTCTTCAAGGACCCCAGTTC
TTGTGGCTCGAGATGTAAAAGTCTTTTTGCCATGCACTGTAAACCTAGATCCCAAACTACGGGAAATTATT
GCAGATGTTCGTGCTGCCAGAGAGCAGATCAGTATTGGAGGACTGGCGTACCCCCCGCTCCCTCTACATGA
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CCTTCGCAGGTGGAGTGGTGTCACCACAGCCTCACAGCAGCTATTACAGCGGCATGACGGGCCCTCAGCAT
CCCTTCTACAACAGGCCATTCTTTGCCCCATACCTTTACACGCCAAGGTATTACCCTGGCGGCTCCCAACA
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CCCCAGGCCCAGTGGTATTACTGAATTCACTGAATGTGGATGCAGTATGTGAGAAGCTGAAACAAATAGAA
GGGCTGGACCAGAGTATGCTGCCTCAGTATTGTACCACGATCAAAAAGGCAAACATAAATGGCCGTGTGTT
AGCTCAGTGTAACATTGATGAGCTGAAGAAAGAGATGAATATGAATTTTGGAGACTGGCACCTTTTCAGAA
GCACAGTACTAGAAATGAGAAACGCAGAAAGCCACGTGGTCCCTGAAGACCCACGTTTCCTCAGTGAGAGC
AGCAGTGGCCCAGCCCCGCACGGTGAGCCTGCTCGCCGCGCTTCCCACAACGAGCTGCCTCACACCGAGCT
CTCCAGCCAGACGCCCTACACACTCAACTTCAGCTTCGAAGAGCTGAACACGCTTGGCCTGGATGAAGGTG
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CAGGATTCCAGTATTGAAATTTCAAAGCTTACTGATAAGGTGCAGGCCGAGTATAGAGATGCCTATAGAGA
ATACATTGCTCAGATGTCCCAGTTAGAAGGGGGCCCCGGGTCTACAACCATTAGTGGCAGATCTTCTCCAC
ATAGCACATATTACATGGGTCAGAGTTCATCAGGGGGCTCTATTCATTCAAACCTAGAGCAAGAAAAGGGG
AAGGATAGTGAACCAAAGCCCGATGATGGGAGGAAGTCCTTTCTAATGAAGAGGGGAGATGTTATCGATTA
TTCATCATCAGGGGTTTCCACCAACGATGCTTCCCCCCTGGATCCTATCACTGAAGAAGATGAAAAATCAG

Table 6

ATCAGTCAGGCAGTAAGCTTCTCCCAGGCAAGAAATCTTCCGAAAGGTCAAGCCTCTTCCAGACAGATTTG
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AGATAACACTCCACTGCTCAAAGATGACAAAGACAGAAAAGCCGAAGGGAAAGTAGAGAGAGTGCCGAAGT
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GACAAAAAGGATTCATCGGATTCAGGAGTGAGATCCAGTGAAAGTTCTCCCAATCACTCTCTGCACAATGA
AGTGGCGGATGACTCCCAGCTTGAAAAGGCAAATCTCATAGAGCTGGAAGATGACAGTCACAGCGGAAAGC
GGGGAATCCCACATAGCCTGAGTGGCCTGCAAGATCCAATTATAGCTCGGATGTCCATTTGTTCAGAAGAC
AAGAAAAGCCCTTCCGAATGCAGCTTGATAGCCAGCAGCCCTGAAGAAAACTGGCCTGCATGCCAGAAAGC
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AAAATTTCGATGAGATGGAGGGAATTAGGGAGACTTCTCAAGTCATTTTGAGGCCTAGTTCCAGTCCCAAC
CCAACCACTATTCAGAATGAGAATCTAAAAAGCATGACACATAAGCGAAGCCAACGTTCAAGTTACACAAG
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AAAGCATTCTTTGAGAAAAACAAGCAAAGGAGAAGAGTGTTACTGTACCCTTATGACAGAATTGTCCTGGA
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GTAAAAGAGACATCTGCAGTGTGACAGAAGGGAGCATGAGAAGCATGGCTCACCAGCCAGCCTCTGTGGTC
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AAGCAGAAGCAAACCCTGCTCTTAGGGGCTCACCTAGGTGAGTGCACAGCCTGTGACGCTACAGGGAGAGG
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TCTTCTCTCCAAATCCCAGGCCTGGCTTCCAGCACCATCCAGCTGTGCCCAAGAAGCCACCCTGGTCTGTT
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AATCATTGCTCTCTATACTAGGATAGcagtcatccacctcatgcgcctaagcaaggtagtccgggaggcac
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aaacaggaaagataaa

Table1 4830

NNNNNNNCGCGGAGTCGGCGGGGCCTCGCGGGACGCGGGCAGTGCGGAGACCGCGGCGCTGAGGA
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TTTGCGAAGTGCAGGAAAATTAAATGTGGGCACCAAGAAAGAGGATGGTGAGAGTACAGCCCCCACCCCCC
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GACGGATATTGTTTCACGATGATAGAAGAGGATGACTCTGGGTTGCCTGTGGTCACTTCTGGTTGCCTAGG
ACTAGAAGGCTCAGATTTTCAGTGTCGGGACACTCCCATTCCTCATCAAAGAAGATCAATTGAATGCTGCA
CAGAAAGGAACGAATGTAATAAAGACCTACACCCTACACTGCCTCCATTGAAAAACAGAGATTTTGTTGAT
GGACCTATACACCACAGGGCTTTACTTATATCTGTGACTGTCTGTAGTTTGCTCTTGGTCCTTATCATATT
ATTTTGTTACTTCCGGTATAAAAGACAAGAAACCAGACCTCGATACAGCATTGGGTTAGAACAGGATGAAA
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CCAGCTGGTTCAGAGAGACAGAAATATATCAGACAGTGTTGATGAGGCATGAAAACATTTTGGGTTTCATT
GCTGCAGATATCAAAGGGACAGGGTCCTGGACCCAGTTGTACCTAATCACAGACTATCATGAAAATGGTTC
CCTTTATGATTATCTGAAGTCCACCACCCTAGACGCTAAATCAATGCTGAAGTTAGCCTACTCTTCTGTCA
GTGGCTTATGTCATTTACACACAGAAATCTTTAGTACTCAAGGCAAACCAGCAATTGCCCATCGAGATCTG
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TATTAGTGATACAAATGAAGTTGACATACCACCTAACACTCGAGTTGGCACCAAACGCTATATGCCTCCAG
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CTCATCCTTTGGGAGGTTGCTAGGAGATGTGTATCAGGAGGTATAGTGGAAGAATACCAGCTTCCTTATCA
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CATTCCCAAACCGGTGGAGCAGTGATGAGTGTCTAAGGCAGATGGGAAAACTCATGACAGAATGCTGGGCT
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TCCAATTCGCCCTATA
Table1 4831
aaccaggaatcaagtcaggctggttttgttccctgtttctgaaggcagttgaattcagttgtACC
CCTAGCAACTACTAATGGTTCAGCCACCCGTGGAGTCCAGTTGGGGCTGAGTTATGCTCCACTAACCCATA
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CAGACCAGAATCCCCACGCAGCTACACAGTAACAAGTCCCAGCAACTCCTGAAGATAGATGCGGAAAGGGT
GACTTTACCATGGGGTTCGAGTCTGAGCCAAGAGAGTTATAAAGGGGTCCCTAACTCATTCCTTTTTCAAA
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Table1 4832
NNNCGACTCCCATTGTTCCCCACGCGTGCGGTTCTAGATCGCGGGCGGCCGCTCGCGCTTTAAGC
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GAATTAATATGAAGTATCTCTTTAACATTATTGTATATATTACCTACTGCAAACCTATCTGTTCTGTTTCT
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GCGGGCGGATCACAAGGTCAGGAGTTTTAGACCAGCCTGACCAATATGATGA
Table1 4834
CGTCCGGCAAACCTGTCTAATTGGGGCGGCCAGCGGACTTCCTCCTCTGAGGGCCGTGCCGCGCT
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GTGACGGGGCGGGCGGGAGCCCCGGCAGTCCGGGGTCGCCGGCGAGGGCCATGTCGCTGTTGGGGGACCCG
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Table 6
849/3331

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GGTTTTACAGTGTGTTGCTGTTGGAAGCCCTATTCCTCACTACCAGTGGTTCAAAAATGAATTACCATTAA
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TG
Table1 4839
AAATACTAAATGTTTCCTTTTTTCATTACTCATATATTTTTTTCTTGCCTTACTACACTGCCTAG
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CTTCAATTTGGGTTTAATGTTATAGAAATAAATGATGATAAACTCTAACTAATAAAGGAAAGAGAATATTT
GGTTACTCAGATCCCANNNNNN
Table1 4840
NACCAAGTATAAATATAAATTACAACCCTCCCTCCTTACTATCAACGCGCCAACCCCTTTTTTTTT
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GGCAGACGTCCTAGTGCCTGTCATGTTATATTAAACATACATACACACAATCTTTTTGCTTATTATAATAC
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Table 6
850/3331

AGCCCTTCAGTGAAGGAGACGTAAAATGGCGTGGGTAACAACAACTACCAAAAAAAAAAAAAAAAAAAGA
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ACACACTGAGAAAAAATTTGGTCCTGAATTGTTTTTTTTTAAAATCCAGCACAGATTTGAGTTGCGTTTGA
ATCCTTTAAAGAGTTAAGAATGAAAN

Table1 4841

gGTCCGGAATTCCCGGGTCGAGCCCCCCCCCCCCCCCCGGAGGGGCGGTTGGCTTTGTTGGGTGG
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CAGTAATAGCTGAACCTGTTCAAAATGTTAATAAAGGTTTCGTTGCATGGTAGCATAAAAAAAAAAAAAAA
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ccgggggcagagaccaaaaggaccgggaacttctcacgaaggaaaaaaaccccccgggggggcacaccgccg
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agggacgcgcggaataaatgccgaccc

Table1 4844

NNCGTCCGCGCAGAACTCAGCANATGTTCCATGGGAAATCCAGTTTGAGATTCCTTCAGTTTCTA
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CTTCTGCCAAGCATGAATTTTTTTAAATAGATAAGCCTTCTTTAATTGTTACAAGAAGTGAACTGGTCTGC
CTCCACTCTTCTTCCATTACTCTCAAAATGCAATTCGAATATGACTCTTCTGGTCCCTTCCTATTTCCTCA
GCACTCATTAATTTTCTTTCTATGTCTTTATCTCATACTTAAGCCTGAATTGTTGAATGAATCACCCTCTT
TCTCCTCAGCATTTACAAATACCTGAAACACGTGTCTATATCCTCCCCATCATCTCTGTAACTCATACTTG
TCTTTTCAGTCTCAGAGTAGAAATGAAGTGTTCCCTGACGCCTCTTTCCCCATGCCCACCCAAACATGAGC
AAGACCTCTTCTGTCAGTTCCCACAAAATTCTTAATGTACCCGATTTCAGCACTTAGCCCACTGCATTATA
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Table1 4845

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Table 6

GCACACTGGAGCCCAGGAGTTTGAGACCAGCTTGGGCAACATAGCAAGACCCTGTCTATTTTTTTAAAAAA
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Table1 4846
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TAANNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Table1 4854
ACGCGGGGGTCTGCCGCGGTGGCCGGGTGCCGATTTGACAAGATCAAAGCTGCAGGAAAATGGAC
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TCAAAGAACAAGAAATGAAGTGGGCAAGTGAGTTAAGGACGTACTCGTCTTGGTGAGAGCGTGAGCTGCTG
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GCGGTGATGCGTGCTTTTCGCAAGAACAAGACTCTCGGCTATGGAGTCCCCATGTTGATGGATCCTGAGCT
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CAAAAAATGGTGGGGCGGCGCCAAAGAATTATACAACGTGGGCGGGGCGAAGATAAAGAGATTTTCCAAGA
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Table1 4855
ccgttctctcccggacagcatgagcttcaccACTCGCTCCACCTTCTCCACCAACTACCGgta
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CTCACTTCTGGGCAGGCAGGCCAGCCAGCTAGCCAGCCTGCTGAGGCTTCCCAAGAGGGGCAGAGTGCTGG
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Table1 4856
ccgcgggctggcgggggacccttcaggcccggccccgtttgggcctcggctcctggaaaagcgac
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Table 6
852/3331

ACCAGGGTATTTAGCCTAGTTGGCAAGCGAGCAATTTCCACCTCTGTGTGTGTACGAGCTCATGTAGAGAC
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TAATCAGCC

Table1 4857

NNNNCCGCTGGGTGCAGCCGAGCGGTGTGGAGCGGAGAGAATACTCGAAGGGCTCTCCTGATACT
AACAGTTTTACGATTTAAAACTTCGCCAGAATTTCGACAGGGTCTCACTGTATTGCCCAGGTTGGTCTCGA
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CCTGGCCTCACTCAAACAGTAAACGAGGTATGTGACGCATTCCCAGACTCTTCAGCCAACTGAGCATCAGC
TTCTTCACAGCAATTGGGTCCTGATTAATGTCCTCCCAAGACAGACTTCATTGGATCCACGATCAAGAGGA
CTCTGCCAGGTTTTTCTGACCCCTCTACATTGCTATAAAGTGCCAAGGCCTTAAGACTTGGGTACGTGTGT
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Table1 4858

ACAGGTCTTGCCTAAAATCAAGAAGAGAGCAGGAGAACTGAGAAACTCCTCCCCTTCCCCCACCA
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Table1 4860

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CCTCCCTACCGCCCCTGTCCCGCCGGGGAGCGGCGGCGGCCTTGGACTTTGCTGTCTTTCCTCGCGGAGAC
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Table1 4863

GGCTTCCTAGGACCCATTGTGAACCTCAGCGAGCCCACCGCCCATGAGGGGTCCACAGTGACCGT
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TAATCCCTCCACCCCTGCCCTGGAAAGATTAGACGCTCCTCTGCACCACTGTGCCTCGGGTGTGTTGGGTG
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GAGCTCCACTCCAGCCGGGAGGTGCCGGAGGAGATCCCGTTCTTCGACAACN

Table1 4864

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Table 6
853/3331

GGGTGAACTGAGGGGAGTAGAGGGAGAGGGCAGGTGGAACTGGGGCAGAATCTAGTCATGCCCTAAAGCTA
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Table1 4865
accccgCGTCCGCTAGTTCTagatcGCGAGCGGCCGCCCTTTTTTTTTTTTTTTTccCGCAATC
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Table1 4866
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Table1 4869
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Table1 4870
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Table1 4872
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Table 6
855/3331

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Table1 4873
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Table1 4875
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Table1 4877

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Table1 4878

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Table 6

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Table1 4879
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Table1 4880
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Table1 4882
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Table 6
858/3331

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Table1 4884
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Table 6
859/3331

AAGGGAGTGGCTGTTTTGAGTTGTCCTTTCTTTGCAGAAAGGAGAAAATGTGATTGTGTTTTTTTTTTACC
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Table1 4886
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ggaggcc
Table1 4887
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Table 6
860/3331

AGCGCCAGGAGCTGGTCACCAAGATCGACCACATCCTGGATGCCCTGTAGCCCCTGCCCGCATCCTCCAGG
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Table1 4892
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Table1 4894
NNACCCACGCGTCCGGTTAAAGTCAGGGGGCAAAGAGTAAACGCGCGACTCCAGCGCGCGGCTAC
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Table 6
861/3331

GGCATTTAATATTGGACATCTGGGCCCTTGGAAGTACAAATCTAAGGAAAAACCAACCCACTGTGTAAGTG
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Table1 4895
NCGTCCGCCCACGCGTCCGCGACGCCGGCGTGATGTGGCTTCCGCTGGTGCTGCTCCTGGCTGTG
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Table1 4899
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Table 6
862/3331

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NNNN
Table1 4900
gatcgtgtcgccCACGCGtccGGCGGGACTTCcGGCGCGCTGGAGCGTTTTCCGGCCGTGCGTTT
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Table1 4901
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Table1 4902
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Table 6
863/3331

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Table1 4904
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CTCTTTCAACCCCAACGTGAACACGGTGTCTGTTATGATCAATGAGGAGCTTTTCTCTGGAATGTATATAG
ATTTCATGGGGACAGATGCTGCTATTTTTCGAAGTTTAACCAAGAGGAATGCGGTCAGAACTGATCAACAT
AATTCCAAATGGCTAAGTGAACCTATGTTTGTAGATGCACATGTCATCCCAGATGGTACTGATCCAAATGA
TGCTAAGGTGTACTTCTTCTTCAAAGAAAAACTGACTGACAATAACAGGAGCACGAAACAGATTCATTCCA
TGATTGCTCGAATATGTCCTAATGACACTGGTGGACTGCGTAGCCTTGTCAACAAGTGGACCACTTTCTTA
AAGGCGAGGCTGGTGTGCTCGGTAACAGATGAAGACGGCCCAGAAACACACTTTGATGAATTAGAGGATGT
GTTTCTGCTGGAAACTGATAACCCGAGGACAACACTAGTGTATGGCATTTTTACAACATCAAGCTCAGTTT
TCAAAGGATCAGCCGTGTGTGTGTATCATTTATCTGATATACAGACTGTGTTTAATGGGCCTTTTGCCCAC
AAAGAAGGGCCCAATCATCAGCTGATTTCCTATCAGGGCAGAATTCCATATCCTCGCCCTGGAACTTGTCC
AGGAGGAGCATTTACACCCAATATGCGAACCACCAAGGAGTTCCCAGATGATGTTGTCACTTTTATTCGGA
ACCATCCTCTCATGTACAATTCCATCTACCCAATCCACAAAAGGCCTTTGATTGTTCGTATTGGCACTGAC
TACAAGTATACAAAGATAGCTGTGGATCGAGTGAACGCTGCTGATGGGAGATACCATGTCCTGTTTCTCGG
AACAGATCGGGGTACTGTGCAAAAAGTGGTTGTTCTTCCTACTAACAACTCTGTCAGTGGCGAGCTCATTC
TGGAGGAGCTGGAAGTCTTTAAGAATCATGCTCCTATAACAACAATGAAAATTTCATCTAAAAAGCAACAG
TTGTATGTGAGTTCCAATGAAGGGGTTTCCCAGGTATCTCTGCACCGCTGCCACATCTATGGTACAGCCTG
TGCTGACTGCTGCCTGGCGCGGGACCCTTATTGCGCCTGGGATGGCCATTCCTGTTCCAGATTCTACCCAA
CTGGGAAACGGAGGAGCCGAAGACAAGATGTGAGACATGGAAACCCACTGACTCAATGCAGAGGATTTAAT
CTAAAAGCATACAGAAATGCAGCTGAAATTGTGCAGTATGGAGTAAAAAATAACACCACTTTTCTGGAGTG
TGCCCCCAAGTCTCCGCAGGCATCTATCAAGTGGCTGTTACAGAAAGACAAAGACAGGAGGAAAGAGGTTA
AGCTGAATGAACGAATAATAGCCACTTCACAGGGACTCCTGATCCGCTCTGTTCAGGGTTCTGACCAAGGA
CTTTATCACTGCATTGCTACAGAAAATAGTTTCAAGCAGACCATAGCCAAGATCAACTTCAAAGTTTTAGA
TTCAGAAATGGTGGCTGTTGTGACGGACAAATGGTCCCCGTGGACCTGGGCCAGCTCTGTGAGGGCTTTAC
CCTTCCACCCGAAGGACATCATGGGGGCATTCAGCCACTCAGAAATGCAGATGATTAACCAATACTGCAAA
GACACTCGGCAGCAACATCAGCAGGGAGATGAATCACAGAAAATGAGAGGGGACTATGGCAAGTTAAAGGC
CCTCATCAATAGTCGGAAAAGTAGAAACAGGAGGAATCAGTTGCCAGAGTCATAATATTTTCTTATGTGGG
TCTTATGCTTCCATTAACAAATGCTCTGTCTTCAATGATCAAATTTTGAGCAAAGAAACTTGTGCTTTACC
AAGGGGAATTACTGAAAAAGGTGATTACTCCTGAAGTGAGTTTTACACGAACTGAAATGAGCATGCATTTT
CTTGTATGATAGTGACTAGCACTAGACATGTCATGGTCCTCATGGTGCATATAAATATATTTAACTTAACC
CAGATTTTATTTATATCTTTATTCACCTTTTCTTCAAAATCGATATGGTGGCTGCAAAACTAGAATTGTTG
CATCCCTCAATTGAATGAGGGCCATATCCCTGTGGTATTCCTTTCCTGCTTTGGGGCTTTAGAATTCTAAT
TGTCAGTGATTTTGTATATGAAAACAAGTTCCAAATCCACAGCTTTTACGTAGTAAAAGTCATAAATGCAT
ATGACAGAATGGCTATCAAAAGAAATAGAAAAGGAAGACGGCATTTAAAGTTGTATAAAAACACGAGTTAT
TCATAAAGAGAAAATGATGAGTTTTTATGGTTCCAATGAAATATGTTGGGGTTTTTTTAAGATTGTAAAAA
TAATCAGTTACTGGTATCTGTCACTGACCTTTGTTTCCTTATTCAGGAAGATAAAAATCAGTAACCTACCC
CATGAAGATATTTGGTGGGAGTTATATCAGTGAAGCAGTTTGGTTTATATTCTTATGTTATCACCTTCCAA
ACAAAAGCACTTACTTTTTTTGGAAGTTATTTAATTTATTTTAGACTCAAAGAATATAATCTTGCACTACT
CAGTTATTACTGTTTGTTCTCTTATTCCCTAGTCTGTGTGGCAAATTAAACAATATAAGAAGGAAAAATTT
GAAGTATTAGACTTCTAAATAAGGGGTGAAATCATCAGAAAGAAAAATCAAAGTAGAAACTACTAATTTTT
TAAGAGGAATTTATAACAAATATGGCTAGTTTTCAACTTCAGTACTCAAATTCAATGATTCTTCCTTTTAT
TAAAACCAGTCTCAGATATCATACTGATTTTTAAGTCAACACTATATATTTTATGATCTTTTCAGTGTGAT
GGCAAGGTGCTTGTTATGTCTAGAAAGTAAGAAAACAATATGAGGAGACATTCTGTCTTTCAAAAGGTAAT
GGTACATACGTTCACTGGTCTCTAAGTGTAAAAGTAGTAAATTTTGTGATGAATAAAATAATTATCTCCTA

Table 6
864/3331

ATTGTATGTTAGAATAATTTTATTAGAATAATTTCATACTGAAATTATTTTCTCCAAATAAAAATTAGATG
GAAAAATGTGAAAAAAATTATTCATGCTCTCATATATATTTTAAAAACACTACTTTTGCTTTTTTATTTAC
CTTTTAAGACATTTTCATGCTTCCAGGTAAAAACAGATATTGTACCATGTACCTAATCCAAATATCATATA
AACATTTTATTTATAGTTAATAATCTATGATGAAGGTAATTAAAGTAGATTATGGCCTTTTTAAGTATTGC
AGTCTAAAACTTCAAAAACTAAAATCATTGTCAAAATTAATATGATTATTAATCAGAATATCAGAATATGA
TTCACTATTTAAACTATGATAAATTATGATAATATATGAGGAGGCCTCGCTATAGCAAAAATAGTTAAAAT
GCTGACATAACACCAAACTTCATTTTTTAAAAAATCTGTTGTTCCAAATGTGTATAATTTTAAAGTAATTT
CTAAAGCAGTTTATTATAATGGTTTGCCTGCTTAAAAGGTATAATTAAACTTCTTTTCTCTTCTACATTGA
CACACAGAAATGTGTCAATGTAAAGCCAAAACCATCTTCTGTGTTTATGGCCAATCTATTCTCAAAGTTAA
AAGTAAAATTGTTTCAGAGTCACAGTTCCCTTTATTTCACATAAGCCCAAACTGATAGACAGTAACGGTGT
TTAGTTTTATACTATATTTGTGCTATTTAATTCTTTCTATTTTCACAATTATTAAATTGTGTACACTTTCA
TTACTTTTAAAAATGTAGAAATTCTTCATGAACATAACTCTGCTGAATGTAAAAGAAAATTTTTTTTCAAA
AATGCTGTTAATGTATACTACTGGTGGTTGATTGGTTTTATTTTATGTAGCTTGACAATTCAGTGACTTAA
TATCTATTCCATTTGTATTGTACATAAAATTTTCTAGAAATACACTTTTTTCCAAAGTGTAAGTTTGTGAA
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TTGTCACACTAAAATTTAATTGGATATTGATGAAATCATTGGCCTGGCAAAATAAAACATGTTGAATTCCC
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Table1 4909

ACGCGGGGACTTTATACCAGTCATGTGGCAGAAATCAGGCCTGCTCTGTGAATCGGCTTTGTGCA
GATCATGAGGCGCACCTATGTTGGCAGCATGCCTGGTCGCATCATCAACGGCTTGAAGACTGTGGGAGTGA
ACAACCCAGTGTTCCTATTAGATGAGGTTGACAAACTGGGAAAAAGTCTACAGGGTGATCCAGCAGCAGCT
CTGCTTGAGGTGTTGGATCCTGAACAAAACCATAACTTCACAGATCATTATCTAAATGTGGCCTTTGACCT
TTCTCAAGTTCTTTTTATAGCTACTGCCAACACCACTGCTACCATTCCAGCTGCCTTGTTGGACAGAATGG
AGATCATTCAGGTTCCAGGTTATACACAGGAGGAGAAGA

Table1 4911

NNACTATAGGGCGAATAGTAGCTGCACGCGCGGTGGCTGCACCGCGGCAGGCGGCCGAGGCACGC
GGGGGCTGATGCCATTTTCAGCCTCAGCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCC
ACTGCCTCGTGTTGTCTGTTGGCGCGCTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTG
CTTTGGCCTCATCTATAAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAATGTCCTGGAAA
GTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCATTGTCAACGGAA
TCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAATAAATATTTGT
TCATTTCTAAACACAGACCAAGAAGAAAAAGAACAAAGT

Table1 4914

TAGGGCCGTTACCTGTTTCCGGCAGTCGACACGCTCTTCGCTTCTCGGGGCTTGTCTCCGTGTCC
TCCGTCTCAGTTGTTTCTCCCTCTCTATCCTCCTCTGTCTCAGTCTCCCCAGCCTTGGGGCCGGTGCCTCT
TCCGGGCTTCGGCGAATGAGACCTGCGGACCTGCCCCCGCGCCCCATGGAAGAATCCCCGGCGTCCAGCTC
TGCCCCGACAGAGACGGAGGAGCCGGGGTCCAGTGCAGAGGTCATGGAAGAAGTGACAACATGCTCCTTCA
ACAGCCCTCTGTTCCGGCAGGAAGATGACAGAGGGATTACCTACCGGATCCCAGCCCTGCTCTACATACCC
CCCACCCACACCTTCCTGGCCTTTGCAGAGAAGCGTTCCACGAGGAGAGATGAGGATGCTCTCCACCTGGT
GCTGAGGCGAGGGTTGAGGATTGGGCAGTTGGTACAGTGGGGGCCCCTGAAGCCACTGATGGAAGCCACAC
TACCGGGGCATCGGACCATGAACCCCTGTCCTGTATGGGAGCAGAAGAGTGGTTGTGTGTTCCTGTTCTTC
ATCTGTGTGCGGGGCCATGTCACAGAGCGTCAACAGATTGTGTCAGGCAGGAATGCTGCCCGCCTTTGCTT
CATCTACAGTCAGGATGCTGGATGTTCATGGAGTGAGGTGAGGGACTTGACTGAGGAGGTCATTGGCTCAG
AGCTGAAGCACTGGGCCACATTTGCTGTGGGCCCAGGTCATGGCATCCAGCTGCAGTCAGGGAGACTGGTC
ATCCCTGCGTATACCTACTACATCCCTTCCTGGTTCTTTTGCTTCCAGCTACCATGTAAAACCAGGCCTCA
TTCTCTGATGATCTACAGTGATGACCTAGGGGTCACATGGCACCATGGTAGACTCATTAGGCCCATGGTTA
CAGTAGAATGTGAAGTGGCAGAGGTGACTGGGAGGGCTGGCCACCCTGTGCTATATTGCAGTGCCCGGACA
CCAAACAGGTGCCGGGCAGAGGCGCTCAGCACTGACCATGGTGAAGGCTTTCAGAGACTGGCCCTGAGTCG
ACAGCTCTGTGAGCCCCCACATGGTTGCCAAGGGAGTGTGGTAAGTTTCCGGCCCCTGGAGATCCCACATA
GGTGCCAGGACTCTAGCAGCAAAGATGCACCCACCATTCAGCAGAGCTCTCCAGGCAGTTCACTGAGGCTG
GAGGAGGAAGCTGGAACACCGTCAGAATCATGGCTCTTGTACTCACACCCAACCAGTAGGAAACAGAGGGT
TGACCTAGGTATCTATCTCAACCAGACCCCCTTGGAGGCTGCCTGCTGGTCCCGCCCCTGGATCTTGCACT
GTGGGCCCTGTGGCTACTCTGATCTGGCTGCTCTGGAGGAGGAGGGCTTGTTTGGGTGTTTGTTTGAATGT
GGGACCAAGCAAGAGTGTGAGCAGATTGCCTTCCGCCTGTTTACACACCGGGAGATCCTGAGTCACCTGCA
GGGGGACTGCACCAGCCCTGGTAGGAACCCAAGCCAATTCAAAAGCAATTAATTGGCTTAGGACCCAATTT
CCATAGATGCAAATGGCAGTTACAGACAGGTTAACAGAAGCTACTGAAGTCTACAGATAATCAAAAAACTT
AATATTCTGTTCCCTACCTTTTTTCACTTTTCCTCCTCCAAAGAGCAAAATGAAAATTTTGCCTTAGCTAC
TGCAGTGGAAAGAGCACTGAACTAGGAGTTGGAAGACAAGGATGTGGTCCTGGCTCTGCACTGGCTTGCTT
TTGGACCTTGGATGTGTCACCTGAACTCTCTGGACCTCAGGTTTCCATCTGTAAAATGAGAGTATTGGTTC
TAAGATTTCTCATCTTCTCATCCCTAGGACAAGCATAGTGCCTGCATGCTTCATGATCAGTAAGTCCTGGC
TGCATAAAGGACTCTGATGTCAAAATGGAAACCAGGGGACTTACCTTTTCACATGACTTACCCCTCATCCG
AGTGTGAGGTTACAAGCAGGTGTCATGGCAGGAAGGAAGACCAGATCTGTATGATTTGTTCCATTTTTAAT
AACAAAAATATCCACACCCTTTTAATAATGCTCAGAGTTCTGTAGGCTCTCTATCCTAGAGGAATTGAGCA
AAACATAATGGTCACN

Table 6
865/3331

Table1 4915
NCCATAGTCCTTAACTATTACACAACTTCAACCAACCTTTCTACAGGGTCTTCCCTCTGTCAGTA
TTACAGAGGCCCATCCATTCCCTAGTTTCTTGTTTTCATCAACCTTAATTAGGCTAATCTGGTGTTCAGCA
CATGGGCCTCCACCAACTTCACACACACACACACGCGCTCATCACAGTTGGATACAGGCACACAAAGATGG
GCTTGGTACTTGTCTAAGGCTCTGGCGGCTCCGCGAATCTCATGTGCTGGGCCATCATGGACGAGAGTGGT
CTTCAGCACCGCTTGTAAAGCAGTGTTAACAACCATCACACCGCCAGCAGCAATGCCCTCCTCAGCCACCA
AGGCAGGCCACAGGTAACGAGTGATGCCCCATCTTGAACGCACCCAAGCCTCCGCCTCCATAACTCAACAG
CAGCAGGGAAAAAGCATGGTCTCAATTCTCTTGACAAATCTCAGAGGTATTATACTCTTATTCCAACTACA
TCTCCCTCCCCAAAGAAGCGCACACAAAACAATTTTAAAACTTATGTTTTCTACGGAAACCTTACCTCAAA
GTGATGCACAAAACTGAAATTTATATGGCTGCTTAAATGTCACATCCTGGCTCCTAGCAGGGAAACAAAAC
GCTCTGAAGAGAGGATGGTTCCTGCTTGAGGGGGAAAAAGTCTGTCTTTCTTAGCAGTGCTCCTTCCCACA
ATAAACAAATGATCCAGGAANNNNNN
Table1 4917
NNGGAAACAGGACCTGAAGACCCTTCCAGCATGCCAGAGGAAAGTTCCCCCAGGCGGACGCCGCA
GAGCATTCCTGGTGTTCCCAGGACACCAGACTGCAATAACTGGAGGCGCCTCCTTCCTGCCCACCCTTCGC
TCACGCCCCAGCGCCCTCTCTGACCAGCCTCCGCTTGGTGGCCTTCCTCTGGCCGTGTGATGAGGTGGTTG
CTGTCTCCATAGGGGCCAGCTCCCCAGGGCAGACTCACGTGCCCCTCTGAGGCTCAGAAAATGCCCAGCCC
TTCCTCAAAATGAGCAGCCACCCATGACTTTGTGGGCTCCTTGTTAGCCTGAGACCAGGCTTTGCAGAGGG
GCGGGGGGTGAGGCTTAGCCCAGAAGGAGAACTGAGCAGGAAACCAAGGCTCTTCTCTGTCCCCTGCCCTT
CCCCTCCTGCCAGGGGGAGGCTCAGGTTGGTCCCCGAGTGCCGCCTGTACTCACAAAGGCTGCCTTTCCTC
TAGAGTCACTAATTTTACCTGATGCTATGAGAGAATCATATTGAAGATGAAATGTCTAATATATAATGTAT
ATTTTAAAGCAGAGACTATTTTGGTGGATAGGTGGGAGGGAGCAAGGGGAGTTTGAGGGAATCAGAGCTTG
ATGCTACTGTACAGAACTGGACAGGTTGGGCCGGCAGTGGTGGGGCCAGAGGGCTCTGTGCTCTAGGAGCT
AAGCCAGCAGCCCCCGAGAGGGGACTTGGCTGGGCCTTTCCTATGGGCAAGGCCCAGTGCTCTTCCTGCCC
ACCAGGGACCATGGAGCAGTGGCACCCTATGGGGCTATGATCCCTAGGCCTGGGCCTGGGCCTGCCTGTGG
CCCAGAGCTACCCTGGGAGTGTCAGTGCTAGCAGCACAGCTACCTCTGGTGGCAGGAGAAGAGAGGCCCAG
CACAGCAGCAGGCCAGGCCTTCCTGTCCAGGTCTGCATGGAGCACTCGGTGACCCAGAGCAGGGACTGGAG
GCACCCCCAGCCCTGCCCCAGGCCACAGCAGGACAGGCCGGGACAGGCCTCACCCAAGGCCAAGGCTGGCA
TCAGCCAATCATTCAGAGCTGAGGCCCTGGGCCTAGCCTGCCCTTCTCAGGTGCCAATACCACCCCAGCCC
TGCCCTTGGCCTCACTTTTTCCCAGCAATAAGTGGGGTTCACCACCCGCCTCGGGAATACTTTCCCCTTCT
AAATGGGACTTGCTGTTACCTCAGGAGGCTCCTTAGTGCAAATATGACCCTGGTCAGGGCTTTGCCACCGT
TGAAGCCCTGCAGAAGGTGCAATGTAGGGGTTCTGGGGCCACAGAGGAGAGGCCACTTCCCACCAGGACCC
CCAACATGAAGTCTAGGCCTCAGGGGCTCCCGCCCTTCTTCCTCCAGCAGCGGGAACTGCCACTGCTCTCC
CAGGCCCTGTTCTGGAGGCTAACCTTGGTTCCTGGAGAGTGTGCCCCTCCACCCTCCCTCCAGCAGCCCTG
ATCACACCATGAGAGCCAGGAACGGGTCACCCTGCTGAAGATCACTCTGTGCCCTGGGGGAGGAGCCAAGC
CCTCACCCCACAAGGGGCAGGTGGGGGCTTGGTTGCTGACCCGGCCCAAGTCCCCACAGAGCACCTTCTGT
AGCTCCAGCTTGTCTCCCTGGCTTCTCTTTGAAGGAGAAAAATGTAAAATATGCACTGAGAAAGCCAGCCC
CGCCTGCTTAGTCAGCCCCGGCAGCAGGGCAGCCATGGGAACTCAGGAAAAGCAGGAACCCTTTCCAAAAG
CCCAGAGATGCCCTGGGCTCAGATCTGTAATTCTCCCAGGAGCTGTGATAGAGCAGGCCACACAAAGTCCC
TACGCCTCCCTGCTGCCTCCCCCAGATGCATGTGATGGCATCACCATTCCCCAAATTGAATATCAGCATGC
GGCCTGACCAGGGACTCTTTAGATGCATGAATTTATTTATATGAAGGCTCTCACAGAGACACACACAGCAC
TTCAGTAGCATTTGCATTCCTGGTTAAAGAATCACCAATATTTAAAATAAAAACTTTCCTGAAATTGGGAC
TGTCATGTTATCCAGAAGGGCTGGTACATCCGCCCACCATGTCCCCCTGCTGGGTCAGGAGCCAACACAGG
ACCCTGCGTGTGAGCGTGCCTGACATCTCACGCACGGCCACTCCAGAGCCGGTCCCTGTCCTTGGAAAGCT
GTGAAGCCTTGCGTTGAGTTCCTTCTAACTACACCAGCGCAGGGGCGTGGAGGAACTGAGGTTTGGAAGGA
ATGCCAGGTCTCGCACAGCTTGGCTCGAGAAGGTGAGAGGAAGGCAAGGCCAGGGAGGGGACCAGAGAGGC
TGGCACACAAGCCAAGCACCACGTCAACACAGCCCAGTCCATACAGAAATGGGTTTCATGCCTGAAAAGCT
TTTACAGAAAGATGCGCCTGTAGCCAGTGAAAGCGGAAACTAAGGCTCAGTCCTGCGAGTGAGGGGTAAGA
GCCTCCCTCCTTCCAAGAGACCAGTCCCACTTCCGAGGGGGGCCCCGGAGCCGTGGGGTCTAACCCGGCCC
CCGGCCGGGCCCCCCTCTTTCCCGGGCACGGGCGAACCCCGGGGGTCTGGCCCNNNNNNNNNNNNNNNN
Table1 4918
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCAGAGGGCATGGCGACGGGTCGGGACACCAGTGA
AACTTGAACCGGGAAGCGGGAGGACGTAGAGCAGAGAAGAGAACATTTTTAAAAGGAAGGGATTAAAGAGG
GTGGGAAATCTATGGTTTTTATTTTAAAAAAGAAAAAGGAAAAAAAAAAAGTCAATAACAAAAAACCCAGC
TCAAGAACCCATTCTACGCCAAACTGGAAAGGAGAAGAGAGCAACAGGAAGATTCCAGAAACGGGGGGCCC
CAGTTTTTGAAGAACTTTATGAACTTTTCAAAGATTATTTTCATATGGCAGCAAGTGATACGGAAGACTGC
TGTCAGGGACACCTGATATGGAAATCAAATAGATTTTTAATTAATTGAACATAAGATTTAGGGATTTTTCC
AGAACTCGAAAGGGTCAACAGCCCTCCAGAATGTCGGGCTGCAGCCTGAGGAGGCTGATGTTTGGAGCTGG
TGTGGGATTGGCGAAGCCCAGTCCGGGCTCCCTAGTCAGGAAAGACGGGGGACGGCCAGGCTGCTGGAAGG
CCCCCGGGGGCGCGGGGCGAGTTTTCTTTTTCTGAGCACTCTGGATAAATCCCTAAGCAACGTTGTTTCTC
AAATGTCATTAATAATGTGTGTTGCAAACTTTAGGTTTTTTTCTTTTCTGAAAATGTATTTTCTCTTTGAA
TCCACCCCTAGTCGCGTAGCGTAGGGCTAGCGGTCGTCACAGACACCCTAGTAGAATGTAGCACTCAGCAC
CCTTGTCTCCTACCTTGTGTTCAACTCCAATGATACCAATAGAATATTCCTCAATGTAATTGCACAAAAAA
AAGCGATATAACATAGGCATGTAACCAATGTGGCGGTGCAGGTGTGCGGGTGAGCGAGCACGTGTGGGTGT

Table 6
866/3331

GCACGCGCCGCCCTCCCCGCGTGGCCCTCGGCGCCGCCACCCTAGCTGGCGCAGTCTTGACACTGCATCCT
TCCCTCCTAGTGCCTTACCGAGCGACAGACGCGGCGTGAGGGTTTACTTCCACTGGTACTCCAAGAAACTG
AGGCTAGTCAGACACAATCTCAGCTCTTCTGTTGTGCTGTTGTAACAGTTTACGCTGGCCTTTTTTTTTTC
TTTTTCTTTTTCTTTTTAAAATGTTAATGCCCGTTGTCTTTCCTGGGCTGTTTGCTAGCGGAAGGATGCCA
GGGAAGCCAGCAGGAGCTAGGAGAGAGTCCGTGGATCTCGAAAGAAATATGGGAGACAGATGCCCGGCGGG
TGCGTCTGGAGATGGGGACGGCGGGAGTTGAGTTGTGGCAGTAGTTGAGTTGTAATTTGTGGGCGGAGGCC
CAGAGAGACTCCCCACCCTTCACCCCTGCCCCACTCTGTCCCCAGTTCCGCCATTTGTGAGGCCAGAGGTT
TCCGGACTGTTGGCCTCGCCAGGCAGCCGTCTCCCGCCCCAGGCGGCATCCCCCAGTCCCTCCCGCCTCCA
CGAGAGCCTGGAGCTCTCAGCCTCGCCCGGGGCTCCACTCTCTCCTCCGGCTCCCTGGGCTGTTTTGCTCT
AACGATCTTGCCAGATCCCTCCCTCTGTAGACAACCACCAACCTCTGTTTGCTGTTGAATTCTCTCCTCAC
ATTACCCAGGTCTGCTCAAGACATGATTTTGGTTTTGGTTTCTGAGGGTTCTAGTGGGCAGAAGGTTGGAG
GGACACTTATGAGGGTGGCCGGGGGTCTGACGCTGCACTTTGGAAAAACTCACACAGTTGAATTTCCAAAG
AAATCTGCCCTTTGCCCTCTTTGCACCTTTGATACATTCTGGAAGTTTTCTCAGGCTTTGGACACTTCTGG
GGATGGAGGTGTGGAGAAGTGGGGAGTTCCCTCTCTTCATAGTAAATAACTCTGAAATATGTGAATGTGAA
TGGCAGGAGAATCTGGCCAAGGATGGGGCCGAAAAGGGTGGTTCTAATTGTTTGCTTCTGATGTTGAGTCT
TTAGCTGACCCCACAGGCAGGTTTCCAAGGTGCAAAGAGATCTTTCCCGAGTCAGCGGCCCCATCCTCATC
CTCCCTCCCTTTACTTCCTCACTGTGCAGTCTCCCTCAAGGATCTACTGTGAAAGGTGTGTTTGTAGTGAT
ATCCAACCTAACTCAGTAACGAAGTCGTTACTTAGCTCTTAGCTGTGAAATAACTCTGGAAACTTCCCCAC
CCCAACCATAAATTCTTACTTATAAAGAAACAGGTCCCCAAACTGGAAACAGCTTAGTCCAGGCCTCAGCG
AGAAGGAAGGACACCATGACTGCTCCATGCTGGGCACAGCCGGGCAGTCTTGCCAAGTGCCTGCTGGAGGC
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AGGTGGGGAAGCGCAGCCCTCTGAGACAGCAGGACAATGGTCAGTTCAGAGAGGGTGAGGGCAGCAAACGC
TTCAGAGGACACAGAAGCCAGAGGACCCCCCCCCGCCCCACAGCTGGGTCAGCCTGGAAAATCCATCTATT
AGGGACTTTTTGGCAGCCAGATGGCAGCAATAGCCCATTAGGTCTCATCCCGAGTTCCAAGTCTTGGCTGC
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TAGATCTGATCTTTTAGGGGGAAAGACAGCTTAAAATGTTCTTTTCATTTTAAAGAAAATTATTCTGTCTG
CTTAAGTTGGAGGCTACTTACTCTTTCACCTGACATTTTCTTTCCTTTTATTCTTCCAGATCAGGAATGAA
ATTTCCATGCTGCTCATAAAGATAATATTATTGTACTAATTATTTTTATTACCATTGTAATTATGATCATT
ATGTTGATATTTTAGTCAGGGTTTTAAATGCACATTTATTCCAAGTATCTTTGTGTTTTCTCTTTAATATT
TAAACTTATTCTCTCTGTGAGTATATAAGTAGACTGGAGGGACATCCAGATGTCCAGTTTTGTCAGGCAAA
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AAGATCCACCACAGAACAAAAGTTTAAAGAAGAATCAAAGCCTTGATTGGGCTTCTGACAACATGGTCACC
ATCAAGGTTGTCATTTTCTAGATCCCAGAGGCCTGGGATGCGACGTCAGGTGGCATCTCATGGGCTCGGGG
AATGTCGAGTCACTGACTGTCCAGCCCTTAGCCAGCTTCTCTCCCACATCCTCAGAGCTCTCCTGTGCTTC
TGAAATCTGTTAACTAAATCTTTGGCTTGCCTCTGGTATTTAAGCAAGAAAATTCCCTCCCAGAGGTGACC
CCATCCGCTTCCCCACAATCCATCCTTTTGCCATCGGCGCACCTGGGGCGTGGCTTAGGTTCTTCAATGCA
GGGACATTTGCCCCCTCCCAGAAGCTGCTGGGCACAGTGAGGTGGCGTAAGAGTGACTGGCAGGTGGTACC
TTCCCCAGGAAATTTCACCACACCACCCAGTTCCTCAGCCTGCCCCCTCCCCCTGTGATGCATGCCCCCAG
CACCCAATTCTAGCCAGCTGGAAGTGGGTGGAGGGACAGCAGGAGGCCAGAGAAACCCTGAACAAAGCTGG
GCGGCTGCTCAGGCATCACAGGCTGCACCCCCTCTGAAAGCATCCCCACTGGGCTCCGGCCACATCTTCAG
TGCACTGTGCTGTGTGCGCTGGGTGCTCACACGCTGTTCCCAGACCCACAAAGTGCTAGGCCCCAGTTGAA
GAAAGGGGTGAAATAGCCAGCTTCACCGAAGGGAAGGGAAGGGAAGTATTGGGCGATGCCAGCCCCACAGA
CGCTCAGCAAACATTAGTGCACATTCTCCTAGTCCTCACCCAATGGCCTCCTCTACCCCCATGCATGGAGC
TGCCACATCAGAAGCCCCAAGAGAAGCTCCCTGCAGGAGAGGCCAGCTCCCTGGATGCCCAATTGCATACC
TGGCCGAATCTGCCATTGAGTCACCTTAGCAAATAGGCTGCTGTCACTAGGACCAAGCTCTCAAGCAGAGG
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TTCCCATTTGAAGAGACATTGTTCAGAGGAAGAGGGGAAGATTTGAAATGTCAGGTCACGGAGGAGTGTTT
AACTGGAGCCTGGTGAACCGCAGGGCAATTTGCTTCTGCTCACTGGGTTCTGACTGGCCCGTCTGGACGTG
GGCCCCCATGTCTCTGTGCTTAGGGCCTCTTCATGATGTTTTGGATGTTTCCAAGGGAAGTGGGTGAGCAG
ATCAAGGGGTGGGAGAGTCGAGGCTTGATGCCAGTTAATACTGTGAAGTGGAGCGTGCGGTCAGTGGAATT
CAGAGGAAAAAGAAGGGTTGGAGCAAAGCGGCATTCATCTCCTGGACTGTTAGCCTTTCTAGTCTTCCTGG
TGGCTGAGGTGTTCACGGGCTGGGGGAGCCAGCTGACCTTTGTCCTCTTCAACCTAGAAGACTCAGCCCCC
CCAGACACCAACGTGTGAGACGGATGGACATCACGAAGGGAAGGGGAGATTAGCCCACTGCTGACAGAACG
ATTTCCCTTGGTTGGACCTTGGGAATGGCAAACACTCCTTTTGGAACAAGCTTGGGGTGGAAGATTAGGCC
GTGTGAGCGTGTGTGAGTGAGTGGAACAAACTTTCTTGGAAACCGGAGGGAGGGAGATGAAGAGGCTTTCG
GAAAGATTACTGATGGCTCATGGTTGAGAGAGCGACN

Table1 4922

GCGTCCGGGCCGGGCCGGGCCCCTAGTGCGGTGTTGCGGGACGGGGCCGAGGCCCGGTCGGTTGG
GGCGTGGGGGCGGAGAGGATGGAGCCTCCGAGGCGTTAGGCGACTCTGTCATCTCTGGGCGTGCAGCCGTC
GTTTCCTGGCTGCGGCCCGTGTGATGGTGCCGGGAGGAAGGAAAGCGCAGTGACAGTGCCTAAGTTGGAGC
CTGGGGTTCCGGGGGTGAGGAGGCCCGCGGACGGCGGATCTGGCGAGCTGGCCGCGGGCTGGTGCGAGCAG
TCACAATAGGAGGCGGCGGCCCAGCGAGGATCCGCGGGAGCTGCCCGGCAGGGCGGAGCCTCCCCTCGCAG
AGTGAAGATAGTCCAAGTCCTAAGAGACAGCGCCTCTCTCATTCAGTCTTTGATTATACATCAGCATCACC
AGCTCCCTCACCACCAATGCGACCATGGGAGATGACATCAAATAGGCAGCCCCTTCAGTTCGACCAAGCAA

Table 6
867/3331

CATCACTTCTCAGGGGAACGATGCAACACACCTGCACGCAACAGAAGAAGTCCTCCTGTCAGGCGCCAGAG
AGGAAGAAGGGATCGTCTGTCTCGACATAATTCCATTAGTCAAGATGAAAACTATCACCATCTCCCTTACG
CACAGCAGCAAGCAATAGAGGAGCCTCGAGCTTCCACCCTCCGATGTATCTCCCCGTCTGCTACATCCTGC
TGCTCATCCACCCCAGCAGATGCAGTCATGGTTGACATACATGATCAGCTCCATCAAGGAACAGTCCCTGT
TTCTTACACAGTAACAACAGTGGCACCACATGGGATTCCACTCTGCACAGGCCAGCACATCCCTGCTTGTA
GTACACAGCAGGTCCCAGGATGCTCTGTGGTTTTCAGTGGACAGCACCTCCCTGTCTGTAGTGTGCCTCCT
CCAATGCTTCAGGCATGTTCAGTTCAGCACTTACCAGTACCATATGCTGCATTCCCACCCCTTATTTCTAG
TGATCCATTTCTTATACATCCTCCTCACCTTTCTCCCCATCATCCTCCTCATTTGCCACCACCAGGCCAGT
TTGTCCCTTTCCAAACACAGCAATCACGATCGCCTCTGCAAAGGATAGAAAATGAAGTGGAACTCTTAGGA
GAACATCTTCCAGGAGCCCACCCCCAGCACCCCCATCTGTTAATAAATATCTCAACNNN

Table1 4923

NNNNNNNNNAGGCGCCACCCCGCAGCTGACTTTAGCACGGCCCCCAACATCCCAGGAACAAAAAT
CGGCGGCCGGGCCAGCCGAACCCCACGCCAGTACTCCCCCCACGTGAGGCCATCTCCTGAACTAATCTGGG
GTGAGACTGGGAAAACAAACATGGGTCACCATAAATGAGAGCCTCCCTGACAGTGAAGATGCACAGAAAGG
AAAGGAGACTATGGCTGCTTCCTAGAATGTCTTCCTGCTGCTGGTGTTACTGCTAGAGCTTCCTGTTGTGG
GGCTCCATATGGTCCCCTATTCTTCCCACCACTCATGAAACACCAAGAGCAGGTTCAGAGTGACCACAGCC
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CCTGGCTTCTCTCTTCTTCCTGGCATCTCTCTTCATGTTGCTAGGCTCTTGGTGAATTTGTCCTGCCTCTG
TTCCTCCACAGCTCCGGCTCCTGTATGAATGCAATCCCGTGGCCTACATCATTGAGCAGGCAGGAGGCTTG
GCGACCACGGGGACCCAGCCTGTACTGGACGTGAAGCCCGAGGCAATTCACCAGCGAGTCCCCCTCATTCT
GGGGTCACCAGAGGATGTGCAGGAATATCTCACCTGTGTGCAGAAAAATCAGGCAGGCAGCTAGCGAGTTT
GACCCCACATGCCCTCTTCTGTTTGTCTTGCACCTTGTCTAAGGACCCTCTATCTATCCCAAACTATCTTC
TTCTTCCTACCCCTCCAGCCGCGCTGCAATGTCCACCGCCACCACCAACCGCAGCGAGGCGAGCCGCGCCA
CGGTGCCGCGGCTCAAGCCTCCAGCATACGACCTGTGACTCCTTTTCCTGGTCTTCTAAGCCGGGCACTGA
GCAGCTCAATAGAAACACAN

Table1 4924

NNGGCCAAGTTGTATGATAACTACTAGACCAGATTCTGATCGAGATCATTGAGCCCTTTCCTGGG
TACAGATTGAACACATATCTAGTCTCATCAAACTCTCCAAGGCCGACGTGGAAAGGAAATTATCACAGATG
ATTCTTGACAAGAAATTTCATGGGATTTTGGACCAGGGGGAGGGTGTCCTGATTATTTTCGATGAACCCCC
AGTAGATAAAACTTACGAAGCTGCTCTGGAAACAATTCAGAACATGAGCAAAGTAGTGGATTCCCTCTACA
ACAAAGCCAAGAAACTGACATAGGTGAGTGCTGGCTTCAGGACCCCAGGGCTGGGCAGCTCTGTCTTCTGC
GTGTCGAGACTGAAAACCTCCTCCTGGTGTCCTCATGGCTTCCTGATTGACACTGCTCTGTCTTCTCTTGC
AGAGTTGGATCTGTAGCGGTCCTTTGGAGAGTGTGTGTGGCGGGAGAGTGAAACCTTGGGGGAAAATGCTA
GGAGATTCTTTTTTCTTTTTGTTCTACTTTTCGCTCGGAAAGTTTTTAAATCCTCATTTGGTGCATCTGTA
TTCCAGCCAATAGGTGTGCCAGTTTTCATGTAATCTTTACTGGCCCAACTTGGGAGTGGGGAAATTGCTTA
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GTGCTCTCTGCCTCCTGGGAGAGGGCCGCAAAGCCAGGCACCCCGCCAACCACTGGGGGTCCTAATCCACC
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CTAGATTAGTCGTCAGTGTTTTAATTGCCCCTCTTCTCCTCTCCTGCATTCCTCTCCTCTCTTCTTTCCTC
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CCAAACAAAAATTGTTGGGGCCCGGCCGAAAAAGTTTAAAACACGTGGGCGGGCCCGGGGAGCGACAGGGC
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Table1 4927

CACGCGTCCGGGCTGAACCAGCGAGAGGACGGCCCGGCTGGCTCTCAGGCCTCTCCCGGCGCTCC
CTTCCGGACCGGTGAGTGAGACTCCTGGGGCCACGCCTTGTGAAATTCTGAGGCTTCTTTTCAGGGATCGA
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GAGGCCCAGCCCCCTTCGCCCGTTTCCATCACGAGTGCCGCCAGCATGTCTGACAAACTGCCCTACAAAGT
CGCCGACATCGGCCTGGCTGCCTGGGGACGCAAGGCCCTGGACATTGCTGAGAACGAGATGCCGGGCCTGA

Table 6
868/3331

TGCGTATGCGGGAGCGGTACTCGGCCTCCAAGCCACTGAAGGGCGCCCGCATCGCTGGCTGCCTGCACATG
ACCGTGGAGACGGCCGTCCTCATTGAGACCCTCGTCACCCTGGGTGCTGAGGTGCAGTGGTCCAGCTGCAA
CATCTTCTCCACCCAGGACCATGCGGCGGCTGCCATTGCCAAGGCTGGCATTCCGGTGTATGCCTGGAAGG
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ATTCTGGACGACGGGGGCGACCTCACCAACCTCATCCACACCAAGTACCCGCAGCTTCTGCCAGGCATCCG
AGGCATCTCTGAGGAGACCACGACTGGGGTCCACAACCTCTACAAGATGATGGCCAATGGGATCCTCAAGG
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AATTCCCTTCAAAATTTCCAAAAAAAAACCNNNNNNN
Table1 4928
GTGTGGGGACCCCACAATATCCAAGGGAACCTGGCCCCAAAACTCATGATCTTTCCCCTTTACCG
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GGTTCCCATTCGACCTATAGTGAN
Table1 4929
TCCGGTTTTATAATATCTTAAGGTGTATATTTTATTTTTTTTATTGGCTTAGTTGTTTTTTGTTT
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CAGCCAGTGATGGAACTATAAAGATGTCTGTGGTCATATGTTGAATGTGGCAGCTTGAAGATGTACTGCCA
CGGGTGATCTAGGGCAGGCTGTCTTCCAGTCCATGTGTTCTCGGTCGCCGTAGACAGCGCTCTGGCTACCA
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Table 6
869/3331

AAAACAAATCTTGAGTAGCTCATGCCCGGCTCTTAGGAATTTTGTCTGTTTAAAAAAAACGGACAATTCGG
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Table1 4930
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AGCAGTTCATCTTCTTGGTGTACTGGTTTCCTATTGTGATTTTATCATGGAAAATCAATTGGCTAAATCAA
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GCGGGTCCTGCAGCTCATTTTGAACACTACTGGCCTCCAAAGGAAGGGACTCAATTAGAAAGAGGAAGTAT
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CTCAAAATTATATAGCTTTTTGTTTTGTTTGAATAAATGATTCATTCCTGTNNNNNNNNNNNNNNNNNNN
NNNNNNNNN
Table1 4931
ccaCGCGTCCGCGTGCCTCCTGGTCTAGTATGGCGCTGTCCTGGGTTCTTACAGTCCTGAGCCTC
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CAGACCCGACAGGACCAGTGCATCTATAACACCACCTACCTGAATGTCCAGCGGGAAAATGGGACCATCTC
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CTTTTGACGTGAACGATGAGAAGAACTGGGGGCTGTCTGTCTATGCTGACAAGCCAGAGACGACCAAGGAG
CAACTGGGAGAGTTCTACGAAGCTCTCGTGCTGCTTCTCCAGTGGCTCACActtatccctTTTTCCAATCG
GTGTACACGACATCTGACTTGGGAATGCGcAAgcAGtcgaaaGCTTCGTaGAActctCCCAGTTGCTCCTT
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TGTAGGTCTTGGTGTCCCTGAGGATCAGCAAGTGAGCGAAATGCTCTTGGCCTCCCACGTATCTGGAGATG
GTCCCATTTTCCCGCTGGACATTCAGGTAGGTGGTGTTATAGCGGACGCGTGGGTCGACTCCCTat
Table1 4932
NNAACCTTTCAAACTTCCCCGAAATGCACTTGTGGTCAGCAGCTAGCGGTCTTTTGTTTGGGGAA

Table 6

AAAAGGAGTAGCGGCTAAGAGCGGAACCCTGACTTCTCAAAAAGCACTGCACAGAGGAGGAGGCAGCAGAA
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GAAGGAAGAATTAAAAATGAATATGTTCAAGGAAGCAGTGACCTTCAAGGACGTGGCTGTGGCCTTCACGG
AGGAGGAATTGGGGCTGCTGGGCCCTGCCCAGAGGAAGCTGTACCGAGATGTGATGGTGGAGAACTTTAGG
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CAAGGAGAAAAACAAGAGGAAGACGATCACAAAGAAAAGAACNNNN
Table1 4933
NCTCATTCTAATAATGAGAAGGCCCTGGCTGATCTTTCTGGGATTTAGAGGGAAAGGATTTTTTT
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CCTTTCCAGCTTGCACTTCTATTCCTACTCCAGTGACCCATTTATTCCCCAGTTACCCATAATGAAAAATA
GTTCTGTCATTTACTGAGCCTTACATTCAAATGCAAATGACGGACTTTATAAAACTGCTGCCAATAAGGTA
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Table 6
871/3331

GAGACATTTTATTGAAAATGCGAAAATAGGAAATGTATTATAGCCTAAAATAAATTACATAACATATACAG
CATATATTTATATCTTTAAAATATTTTTTTGTTTAGGTTCTTTCAGTCTAGGAATTCTGACTAAATCAATT
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Table1 4934
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Table1 4935
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Table1 4936
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Table1 4939
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Table1 4947
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Table1 4949
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Table1 4950
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Table1 4951
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Table1 4952
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Table 6
873/3331

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Table1 4953
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Table1 4955
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CN
Table1 4956
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Table1 4957
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Table 6
874/3331

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Table1 4959
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Table1 4960
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Table 6

ATTGGCTTCATCTGTAATTGGGGGGTCAATCTAGTTGGGGTGTTGATATTTTCACTGGGTTCCTCAGAGAG
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TCTTAGATACTTTCCTGAAACAAAAAACACAACATGAATGGGCGCTGGAAATAATCCATATTCATGCTCTC
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Table 6
876/3331

AGGCATCTCCTTAGATTTAGGCCTTCCTCTTTTGGGCTTATAAATATCAGACAAAAGGTCACTAGAGACAC
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Table1 4961

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Table1 4963

NGACGAACCACGCGTCCGCGGACGCGTGGGCGGACGCGTGGGCGGACGCGTGGGCTAGCGGGCGG
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Table 6
877/3331

TCAGTGCTGTGGAATGGCTTCCTGCTTTGGTGCCTTACTCAATCTCTGTTCCTGGGAGCACCTTTTCCAAG
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Table1 4964
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AGACGTGGAAAGGTTCCAAAGGCAAACAGTCCTATACCTACATCATTGAGGAGAACACTACCACGAGCTTC
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TGCCCCCCTAACACAATTCTGAAAGCCCACCAGCCTTATGGTGTCCAGGCCTGTGTGCCCTGTGGTCCAGG
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CTTTCAACTACAACTTCTCCGCTTTGGCAAACACCGTCACTCTTGCTGGAGGGCCAAGCTTCACTTCCAAA
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TGGCGGGTGCCTGTAGTCCCAGCTACN
Table1 4967
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Table 6
878/3331

CTTAGCATGACATTTTTCACTGTTTCCCCAATATTGGGACAGTTTTTTATTTGGGAGTACTATTGTAATAT
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tgttATGGTCTTGgtc
Table1 4968
NNNAGCTGGAGACAGATTGTAGGACCGAGCGCGGGCGAGGCTTGAAGTGTGGGGAGAACTTGGTC
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GAAAATTAGTCCTCTTGTTCTTCCAGGGGAGTATTAGTTTAATAATCGGTTTTTTAAAAAATATTTATATT
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TTATCAAATTTCCACTCNNNNNNNN
Table1 4969
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T
Table1 4970
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ANNNNNNNNNNNNNNN
Table1 4973
ACGCGGGGGAATTCCGGAGGCGGCATTCGGTGGTCAGAGGCCTGTGCGGCTGCAGGTAGAGTGTC
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GATGATCAAGCTGAAGAAGATGCTTTGCAAATGGCAGTGGGATATTTTGAAAAAGGTCCCATTAAAGCTT
Table1 4975
NNNNNNCCAAGAACAGGGAGACAGGGCAGCTGGTGGCCCTGAAGAAGATCAGACTGGATTTGGAG

Table 6
879/3331

ATGGAGGGGGTCCCAAGCACTGCCATCAGGGAGATCTCGCTGCTCAAGGAACTGAAGCACCCCAACATCGT
CCGACTGCTGGACGTGGTGCACAACGAGAGGAAGCTCTATCTGGTGTTTGAGTTCCTCAGCCAGGACCTGA
AGAAGTACTACTCGATTGTCAACGTCAAGGAGTCGCAGGTCGCCTGGTTCTAGGAATAATGGGGGAAGTAT
GTAGGAGTTGAAGATTAGTCCGCCGTAGTCGGTGT
Table1 4976
GGCTTCCTAGGACCCATTGTGAACCTCAGCGAGCCCACCGCCCATGAGGGGTCCACAGTGACCGT
GAGGTGCATGGCTGGGGCTCGAGTCCAGGTCACGCTGGACGGAGTTCCGGCCGCGGTCCCGGGGCAGCCAG
CTCAACTTCAGCTAAATGCTACCGAGAGTGACGACGGACGCAGCTTCTTCTGCAGTGCCACTCTCGAGGTG
GACGGCGAGTTCTTGCACAGGAACAGTAGCGTCCAGCTGCGAGTCCTGTGTGAGTCGGTCACCCTGACCTT
TAATCCCTCCACCCCTGCCCTGGAAAGATTAGACGCTCCTCTGCACCACTGTGCCTCGGGTGTGTTGGGTG
TCTGATCACACATGGTGGTTCCACAGATGGTCCCAAAATTGACCGAGCCACATGCCCCCAGCACTTGAAAT
GGAAAGATAAAACGAGACACGTCCTGCAGTGCCAAGCCAGGGGCAACCCGTACCTCGGCCGCCACCGCGTG
GAGCTCCACTCCAGCCGGGAGGTGCCGGAGGAGATCCCGTTCTTCGACAACN
Table1 4977
NNNGTGTTGCTGTTTTCCACCCATTTTATTATATTCTTAAAAGATGTAATTGTTGTCATTTTGAA
CAGTTAAACATCTTGAGTATAAAAAGAACCCCAATGTTATGTTATGCTTTGTAAATTTTTTTTTTGCTTTT
ACCTAGATAAACTTCTAGCTAATCAAATAAGGAAAGAAACTGTCTTTTTAAAGCTTCTTTTGTGTTAGATA
CTGTATTAGAGATCTGCATTTATCATGAGTTCCTTTTTTTTTTAACTTTATTTTTGGGAAAGTAACACATG
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Table1 4978
CAACCTAGCAGTTCAACCAATTTCTCTTTTAATAAAAGCTGCACATTACAGTGGTATAAATTTAT
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AAGAGACAGCAGACAAGCCTGCCTGGCTGCCAGCCTTGCCCTGGCTCTGAATGGCGTCTTTACCAACACAA
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CTGTGATTGCACTGTCCCGCACATGTGACTACAAGCATCACTGGCAAGATGTACTAGTTGGATCCATGATT
GGAATGACATTTGCCTATGTCTGCTATCGGCAGTATTATCCTCCTCTGACTGATGCAGAATGCCATAAACC
ATTTCAAGACAAACTTGTACTTTCCACTGCACAGAAGCCTGGGGATTCTTATTGTTTTGATATTTAAAAAT
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Table1 4979
TCGACCCACGCGTCCGGGCGGGGCCGCAGGCGGCATGGAGGAGGCGGAGGCCGCGGCGAGCCGGG
CCGAGCAGTGAGGGCCCTAGCGGGGCCCGAGCGGGGCCCGGGGCCCCTAAGCCATTCCTGAAGTCATGGGC
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CTCGGCGAGCCATCAGTGAAGCCAATGAAGACCCAGAGCCAGAGCAAGACTATGATGAGGCCCTAGGCCGC
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CAAAGTATATGTGGCAGTGGATGGCACCACGGTGCTGGAGGATGAGGCCCGGGAGCAGGGCCGGGGCATCC
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Table 6
880/3331

CAGTCTGAAGAAAGAAGCTTATGAAGTGGAAGTTCACAGGCTGCTCAGTGAGGCTGAGGTTCTGGACCACA
GCAAGAACCCTTGTGAAGACTCTTTCCTGCCAGACACAGAGGGCCACACCTACGTGGCCTTTATTCGAATG
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CCCCCTACTCAGTGAAGAAGCCACCCTCAGTCACCCCAATTTTCCTGGAGCCACCCCCAAAGGAGGAGGGA
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CATCCTGCCCTTTGAATACCCTCACTTTCCAGGCCTGGCTCAGAATCTAACCTATTTATTGACTGTCCTGA
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CAGACTCACTCAGAGACCCTTAGACACTGGACCAGGCCTCCTCTCAGCCTTCTCTTTGTCCAGATTTCCAA
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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNN
Table1 4984
ACCTTGGCTCCGGCTACTTCACTGCCATCCAGAACTTGAGGAAAAGTGAGGAGGAAGTGGCTGCC
CGGCGTGCGCGGGTCGTGTGGTGTGCGGTGGGCGAGCAGGAGCTGCGCAAGTGTAACCAGTGGAGTGGCTT
GAGCGAAGGCAGCGTGACCTGCTCCTCGGCCTCCACCACAGAGGACTGCATCGCCCTGGTGCTGAAAGGAG
AAGCTGATGCCATGACTTTGTCTGACNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGAGACTT
CGTGGTGGTGCTAAGAAAAGGAAGAAGAAGTCTTACACCACTCCCAAGAAGAATAAGCA
Table1 4986
NNGGAACGCCTCAGGAATCCCTTACCTGGACTATCGTACCTACGCTATGCGAGTCCTGTTCCCGG
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GCGCAGTTTCTCCATGCGCGACCGGGGCAACGTGGCTTCGCTCATCATGACCGGCCTGCAGGGCCGCCTGG
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GGCTCTCCCAGATGGGCGGTGCCGGACGGCCAAACCTGTGTGTTTTCGGGTGCAGCTGGGGGTCGGTGGTC
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NNNNNNN
Table1 4987
NNGACGCACGATTGCAACATCGAAGCCCCTCGGATTGGGCCGCGCGCCATTGGGTTGGTACCCGG
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CGCCACAATGGGCCGCGAGTTTGGGAATCTGACGCGGATGCGGCATGTGATCAGCTACAGCTTGTCACCGT
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CACGAGGAGAGACAGAAAACAAAACAAAAACAGACAGAGAAAAGAAAAACACAGATACAAGACAACCACAA
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CAGCGCAAGCGAGAGACCAGAAAGAGGAACACCAGAACGAGAGACGAAGGGAAGAGCGGCAGGGGGAGAAG
AGGGAGGAGAGACAAGAGAGCAGAACACGAGAGAAGGAGAGAGACGAGCAGACGACAAACAGAGGAGAACG
AGAAGGGAGCGGAGGAGAGCAGAAGGGCATGAACGAGAAGAGGAGAAAGAGAAGCAGGCGCGGAGAGAGAA
GGAGAAGGCGAAGAGGAGACAAGCAAGCAGAGGAAGCGCGGGAGCCANNNNNNN
Table1 4988
NNNNNCTCGGCTTCCATGGGCCTAATTTACAGATAGGGCGGTATTTCTGCCCCTTAACCGAAAGT

Table 6
881/3331

GGGATACAGAGGACGACGGTGTTAGGCGCCTGTGTAGGAGTAAAATGTGTTTATTTGCATTCAACGAGAGC
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GGCGACATGAAACTGCTTACCCACAATCTGCTGAGCTCGCATGTGCGGGGGGTGGGGTCCCGTGGCTTCCC
CCTGCGCCTCCAGGCCACCGAGGTCCGTATCTGCCCTGTGGAATTCAACCCCAACTTCGTGGCGCGTATGA
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TGCTGAGTGAAGAGGAAACTGAGAGTTGATTGTGCCAGGCGCCAGTTTTTCTTGTTATGACTGTGTATTTT
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CACACCACCGAACACAGCATCACAGAGAGGGTCGGCGACGTGCGCGACAGCTGCATACGACAAGGGCGGCC
TGTGCACCACGAGACCAGCCTACAACAGACAGACGACAGCGACGACAGAGCCAATGGCGAACGCANNNNNN
N
Table1 4991
NAGCGGGATTATCCAGAAGTTTGGGATTTGGATTTTTGGACTGGCTGTGCTCAATCTATACAAGC
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TTCATTTAATACAAATAGTTGCTTAAACAAGTATGAAAGGCTGAAAGTCAAAATCTGCCTGAGAAACTTAA
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GGGCCCAGCAGGGAAGCTGATTTAAGAGAAGTCAACAGCTTTTCTGACTACACTGTGGATTCCATCAGTGC
ACAGGCACCTGCAGGGCTGCAGTAAGCATCTCTGATGAGGTGGTCCCGGGCACTCACTCGCAGTCTCCCTC
CTGGTTTCCTTGTGGGAAGGGGCTTCATGATTTCAAGCTCAGTTCCCCTCCCACTCCCAGAGGTGGAGCGC
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CACGTGTGGTGGCTGCTGTAGCCTGCAGCCAGGTGCCATTCTTCCTCATGCCCTCTGTGAGTGGCTTCATT
CCACTCTGGGGTCTGGCATGGCCCTCCCCATCGTTATCCTCTCTGCATTCATGACAGGGTGTTGGCAACTC
GCTTGCACCCTTCAGGTCTGCCGTCTTGGTTCCTAGGTTGCTAGGAAAGGACCACGAGGGGGCCCGCTGCA
GAGAACGGAAGAGCAGCCAGGACCAGTCGGCTCCATACACCAGCGAGTCGGGCAATGTGTGAGATGTCAGG
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GGCCAGGAGCAGGTGGTGGTGGAAAGGGTGCCACTTGATTCTCCATACCCCACCCTGCACAGGCGTATCTG
CCAACGGCTGCTTCATGTTTCGTGTGTCCCACAGTAGGATGTGTTCATCATAGCTTCCCGTGGCCAGGATG
TGCTCCCGATGAGGGCTGCTCTGGATGCTGCACACACCCTATGGTGTGTCTTTTGCTGGTGAAGAGAAATT
TGCCGGGTACCCTGGTGTCCCAGCCCCTCAGAAGGCCATCGTCGCCCCCTGGGTGACTCTGTCTGTGAGGA
AGCTCCCCTGGGTGACTCTGTGAGGAAGCTCCCCGGACGCGTGGGTCGACT
Table1 4994
NACGAGTTGGTTTGGGAGCTGCCAGTCTCCTGGGAGGATCGCAGTCAGCAGAGCAGGGCTGAGGC
CTGGGGGTAGGAGCAGAGCCTGCGCATCTGGAGGCAGCATGTCCAAGAAAGGGAGTGGAGGTCAACCACAG
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ACCACGGTCCACGAACCTGTTCATGAAGCTGGACTCGGTCTTCATCTGGAAGGAACCCTTTGGCCTGGTCC
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CAGCAGACAGGTTGTGAACCAGATGCTGGAGCGGACCAGCAGCGGCAGCTTTGGAGGCAATGAGGGCTTCA
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CCCTCCTGTGAGCGTCCCACCCGCCTCCAACGGGTCACACAGAGAAACCTGAGTCTAGCCATGAGGGGCTT
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Table 6
882/3331

ACTGCATCCTGCCTGCCAGGGCTGCAAAGCAAGGTCTTGCTTCTATCTGGGGGACGCTGCTCGAGAGAGGC
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GGGGAAATTTAATTTAACCTTTTTTAACCCCCCCCCCCCTGGGGGGGGGCCCCGCCCCCCCTTTTTTTCCC
TTTTAAGGGGGGTAAAATCCCCCCTGGGGAAAAAAAGGGGAAAAAGGGNN
Table1 4995
ACGCGGGGAGAAACCCTCATAAAGTAGATGCAGAGGGCAGTAAGATATAACTCAACTTTGAAAAT
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ACTCACTGANNNNNN
Table1 4996
NATAGGGCGGCAGCAGTACGAGGCCTGGGCGGATCATCCGCTTCCGGAGTCGAGGTTTTCGGGCT
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GGGCTCCTATGATCCATTGCCCAACAGTCATGGAGAAAAACTCGTTGCCCTCAACCTAGACAGGATCCGTC
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CTGCATCCTATGATGATCACAAATGCTGAGAGACTGCGAAGGAAACGGGCACGTGAAGTCCTGTTAGCTTC
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GGAACAAGGGGTTTTGGAATGGGCCTGGTGCCATACGTGTCCCGGCACCCGTTTTTGGTCAAAGGGGGAAA
CCGGCGGGCCCCATAGGGGCCATTAATTCAAAAACCGGAACGGATAANNNNN
Table1 4997
NNNNNNNNNNNNNNNNNNNNCAGGGAAAGCCTAAATTACGGAATTACCGCGAGCAAGGAGCGCGG
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CAAGTATCAAGTACTCACACCCGGGAGAGACAGATGGCACCAGACTCCTGCTCATTTGTGACGTAGCCCTC
GGAAAGTGTATGGACTTACATGAGAAGGACTTTTCCTTAACTGAAGCACCACCAGGCTACGACAGTGTGCA
TGGAGTTTCACAAACAGCCTCTGTCACCACAGACTTTGAGGATGATGAATTTGTTGTCTATAAAACCAATC

Table 6
883/3331

AGGTTAAAATGAAATATATTATTAAATTTTCCATGCCTGGAGATCAGATAAAGGACTTTCATCCTAGTGAT
CATACTGAATTAGAGGAATACAGACCTGAGTTTTCAAATTTTTCAAAGGTTGAAGATTACCAGTTACCAGA
TGCCAAAACTTCCAGCAGCACCAAGGCCGGCCTCCAGGATGCTTCTGGGAACTTGGTTCCTCTGGAGGATG
TCCACATCAAAGGGAGAATCATAGACACTGTAGCCCAGGTCATTGTTTTTCAGACATACACAAATAAAAGT
CACGTGCCCATTGAGGCAAAATATATCTTTCCTTTGGATGACAAGGCCGCTGTGTGTGGCTTCGAAGCCTT
CATCAATGGGAAGCACATAGTTGGAGAGATTAAAGAGAAGGAAGAAGCCCAGCAAGAGTACCTAGAAGCCG
TGACCCAGGGCCATGGCGCTTACCTGATGAGTCAGGATGCTCCGGACGTTTTTACTGTAAGTGTTGGAAAC
TTACCCCCTAAGGCTAAGGTTCTTATAAAAATTACCTACATCACAGAACTCAGCATCCTGGGCACTGTTGG
TGTCTTTTTCATGCCCGCCACCGTAGCACCCTGGCAACAGGACAAGGCTTTGAATGAAAACCTTCAGGATA
CAGTAGAGAAGATTTGTATAAAAGAAATAGGAACAAAGCAAAGCTTCTCTTTGACTATGTCTATTGAGATG
CCGTATGTGATTGAATTCATTTTCAGTGATACACATGAACTGAAACAAAAGCGCACAGACTGCAAAGCTGT
CATTAGCACCATGGAAGGCAGCTCCTTAGACAGCAGTGGATTTTCTCTCCACATCGGTTTGTCTGCTGCCT
ATCTCCCAAGAATGTGGGTTGAAAAACATCCAGAAAAAGAAAGCGAGGCTTGCATGCTTGTCTTTCAACCC
GATCTCGATGTCGACCTCCCTGACCTAGCCAATGAGAGCGAAGTGATTATTTGTCTTGACTGCTCCAGTTC
CATGGAGGGTGTGACATTCTTGCAAGCCAAGCAAATCGCCTTGCATGCGCTGTCCTTGGTGGGTGAGAAGC
AGAAAGTAAATATTATCCAGTTCGGCACAGGTTACAAGGAGCTATTTTCGTATCCTAAGCATATCACAAGC
AATACCACGGCAGCAGAGTTCATCATGTCTGCCACACCTACCATGGGGAACACAGACTTCTGGAAAACACT
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AGGATGAGAGCCTGACATTACAGCTCGTGAAGAGGAGCCGCCCGCACACCAGGTTATTCGCCTGCGGTATC
GGTTCTACAGCAAATCGTCACGTCTTAAGGATTTTGTCCCAGTGTGGTGCCGGAGTATTTGAATATTTTAA
TGCAAAATCCAAGCATAGTTGGAGAAAACAGATAGAAGACCAAATGACCAGGCTATGTTCTCCGAGTTGCC
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CCATCCTTGTTTCGCAATGATCGACTCCTTGTCTATGGATTCATTCCTCACTGCACACAGGCAACTCTGTG
TGCACTAATTCAAGAGAAAGAATTTTGTACAATGGTGTCGACTACTGAGCTTCAGAAGACAACTGGAACTA
TGATCCACAAGCTGGCAGCCCGAGCTCTAATCAGAGATTATGAAGATGGCATTCTTCACGAAAATGAAACC
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ACAATTTACAAGCTTTGTGGCAGTTGAGAAAAGGGATGAGAATGAGTCACCTTTTCCTGATATTCCAAAAG
TTTCTGAACTTATTGCCAAAGAAGATGTAGACTTCCTGCCCTACATGAGCTGGCAGGGGGAACCCCAAGAA
GCCGTCAGGAACCAGTCTCTTTTAGCATCCTCTGAGTGGCCAGAATTACGTTTATCCAAACGAAAACATAG
GAAAATTCCATTTTCCAAAAGAAAAATGGAATTATCTCAGCCAGAAGTTTCTGAAGATTTTGAAGAGGATG
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TGGACAGAGTCATGTAAACCAACAGCAACTGAACCACTATTTAAGAAAGTCAGTCCATGGGAAACATCTAC
TTCTAGCTTTTTTCCTATTTTGGCTCCGGCCGTTGGTTCCTATCTTCCCCCGACTGCCCGCGCTCACAGTC
CTGCTTCCTTGTCTTTTGCCTCATATCGTCAGGTAGCTAGTTTCGGTTCAGCTGCTCCTCCCAGACAGTTT
GATGCATCTCAATTCAGCCAAGGCCCTGTGCCTGGCACTTGTGCTGACTGGATCCCACAGTCGGCGTCTTG
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ATTACTGTCTTTAAAAATTAAGTGGAAGAAGAATTACTTTAATCAACTAACAAGCAATAATAAAATGAAAC
TTAAAATAAAAAAAAAAAAAAAAAAAAAAAACTCCAGGGGGGGCCCGTACCCAAATTTGCCCTATGNNN
Table1 4998
NNNNNNNNNNNNNCGAGGGTACTTCTAGAATTAATTAACGCGGGGGGAACGGTTGCCATGGCAGC
GGCTGGGCGTGCTGCTTAGCAGGGGAAAGATGGCGGTGACGGGCTGGTTGGAGAGTCTGCGGACAGCCCAG
AAGACTGCGCTGCTGCAGGACGGGAGAAGGAAGGTTCACTATTTATTCCCAGACGGCAAGGAAATGGCTGA
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CCCCTATCCTAAGGATGTCTATAGTGTCTCTGTGGACCAGAAGGAGCGCTGCATCATTGTCAGAACAACCA
ACAAGAAGTACTACAAGAAGTTCTCCATTCCTGATCTAGATAGACACCAGCTACCTCTGGATGACGCCTTG
CTGAGCTTTGCCCACGCCAACTGCACCCTGATCATCTCTTACCAGAAGCCAAAGGAGGTTGTGGTGGCCGA
GTCTGAGCTACAGAAGGAACTAAAGAAGGTGAAGACAGCCCACAGCAACGATGGGGACTGCAAGACCCAGT

Table 6
884/3331

AGTTGGCCCCTGAGCCTTATACCTCCACCACAGGGGGTGCCGTGAGACTTCAAGGCTTGGCCCTTCTTGAC
CACGGCAGCCTCCTGTCTTCTAGGAGCTATCAAGGGTCTCTAAGAACTGGGCATGGGGCACTCCTAGCCAG
TGAGTCATGGTCATATTTCCTGAGTAAAGTCATTCTGAGTTACTTACAAAAACAAAAAAACAGAAAACAGA
AAAACACGCAGACAAACACGACACAGAAACCGACACAGGAGCAACGAGACAGATACAGAAACAAGGGCGAA
GGGACGAAACGACACACGCGGACGGAGCGCACCAAGCACATAGATTAGAGGAGGCAAAGAAGATAAAAACG
AGACGCGAACAAGGAGAGGAACAGACGTAGCACACATGTGGGAAGACAACAAAAGGAGAAATGTCCTCAGC
GCACACAGAAGCAGCAGCACGCGAATGAGGGCGAGCAGGAGCGCAGACCACAAACCNNNN
Table1 5001
NNCATCACCCCGACGACTCAGCAATGTCTCCTCGTCTGGAAGCATCAACCTGCTCGAATCTCCTC
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CATTGAAATAATAATATTTAGGCATGAGCTCTTGGCAGGAGTGGGCTCTGAGCAGTTGTTATATTCATTCT
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GGACAATTATTTTTGCTCTGCTCTGTTTTGCATGGAGTATTATTATTTTAAAAATTGCATTTTTACCTTTC
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CAATTAAGTTATTAACATTTGGGACCTGGATAATTATATCAGAGTATGTCAGTCCAATAAATTATTTAACT
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TACCAGTTTCACACCCCCTTTCCATCTGTTTGATACAGTATTATAGATATAAATATATATATATTTCTCTG
TGGCCATTTGTGATACTTCCTCATATACTTGAATATTATACTTCTTTATTCACAGTATCTGTGTCTCCTGC
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CATTTTTAATCACAGGATAGTTTGGGGTTTATTCCTATTATTATTCATGAAACCGACTTAAGATTTTTTCT
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TGAGTTCCAGCAGCGTGATGGGCTGACATCCCACCTACAAGTATGACACCTGTGTAACACCAGCTAGGTAC
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AACAAAACCAAGTATAAACGAGGGGGTAACAGCCGAATTAAAACCCCAGTTTTGAGAAAACCCGGGGGGGT
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GTTCACAGAGGGGCACGCAACCCCATCCAACACCACCGTGTAGCAAGANNN
Table1 5002
NNAGGCCGAAATTTGGGGAAAGACCCGGGGCCACCCCAATTCCGCTGGAACACCGGGGAGCTGAA
ACCCATCTGGACCCAGCACCATGAGCCGGATGGAGGGGACCACAAGGGCAAAGTCCAATATGAGGTGAGGA
AGGCTTTCTAGAAGGTCACAAACACCACAGGGCCCCTGACTGGGGAGAATGAAAGACACTGACCAAGAAGA
TGTGAACCCACTCAGGGGCTGTCAGGGTTCTGAGGATCTCACTGGGGACGGCCTCCCAGCGGCCAGCTATC
AGCACGAGTTGGAGGGAAAGAGCCATGGTGGGGGTCAGTCACGTGGCTCCCAGGAATGGTCTCCCCGACTT
AGGAAGCACCTTGGTGCACCTTTTCTCCTTGCATCCTCACAACCACCCAGTCAGGCCACTCAAGTCTTACA
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Table 6

ACAGGAATCTGTCTCCACTTCCTTACATGGCTAGACACAGAGCCCGGGAGGGCAAAGGAAAATTGGAGGCC
CCTTCTTCCCATGAGCCATTTTCTCTGCATCCCCTGCCCATAAGCCTTCACTGGCCTCTGATCACCCTCAT
GGTTGACTGCAGCTGCTCCTCTCAGTGCCCTCATGCCCTCCACTGTGCTCAGCGCACGGAAAGAGTGAATA
CTCAGTTCTTCCTGAGGGAACTGAGGCACAGAGAAGTGGAGGGCATAGAACTGCCAAGTGGCAGGGCCATG
ATAGGAACTAGGCAGCCTGCCTTGGCAACCTGTGTTTTTAAATGTTGCTTATGTTCATCTGTGACCTCTTA
CTCACCCTCTCCTGCTCCATTGCTTTAGGCTATGAACTCTCCAAAGTGGAAGGGAAAACAGGGACCCCTGA
GAAGCCCCTCTCAGACCTTGGCCTCCTATCCTATCGAAGCTACTGGTCCCAGACCATCCTGGAGATCCTGA
TGGGGCTGAAGTCGGAGAGCGGGGAGAGGCCACAGATCACCATCAAGTGAGCCTGGCGCTGTCTACCTGGG
GGTACATGGCATGGCTTGTCTGTTCCTGGGCTTTCTCTCTCAGGGCTCCTGGGGACAGATAAAGGTCCTCA
GGGAACCTGACCTGTGCTCTCCCACAGTGAGATTAGTGAAATCACCAGCATCAAGAAGGAGGATGTCATCT
CCACTCTGCAGTACCTCAATCTCATCAACTACTACAAGGTAGGGAGGCAGGCAGGGGAGACAGGTGTGTGG
GATGCAGAGTGCAGTCCTCTGTGGGCTGACCACCTGCTGAACCCATCTCCTCTGCCCAGGGCCAGTACATC
CTCACACTGTCAGAGGACATCGTGGATGGCCATGAGCGGGCCATGCTCAAGCGGCTCCTGCGGATCGACTC
CAAGTGTCTGCACTTCACTCCCAAGGACTGGAGCAAGAGGGGGAAGTGGTGACCAGACACTGCCCACTGCA
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AAGGGAGATGGGGCTGAGGACAGCTCATAAAGGAGAGGACAGGCCTGGCAGGGGCCCACTGGTGCCCAGCA
CCAAGGCGAGCTCCGGGCTCAGACCAACTCCAAGGTCAGCTGGCCACAGGCCCAGGCCTCCTCTGAAGCAG
GGACCAGAGGGAGCCACGCACCTGTGTACAGTGAGAAGGGATCCGGATGGGGGCGCTATGTACAGAGGGCT
GGTGATTGTAAAAATTTCTTTTGTAAAGTAGAAGTTGGGGGTGGGGTGGGTGCTGGCTGCAAAAATTTCTG
GCTTCTCTTACCCCTATTGCCCCCGGCAATAAATTGTTTCTATATGCCAGAGCCATCCAACAAGGCCGACT
CGATGCN

Table1 5003

NTAGAGCGGCCGTGAAGTAGCCCCCCAACTTGCTGGCGTGCTGCTTCTTTGGGAACACCCCTGGG
TGGCGTTTCATGTAATGGGACACGATGCCCTTCTTGCTGAACGACTGGAAAGAGCACAAGGAGCACTTTTT
CTTCTCCACTGCCCGCCGGAGTTCCTCGCTCAGCTGAGGGGAGTCGTCCTTGGGCGGGGATGGGATGATCA
CTTTGTTGGGCTTGTCGCTGATGGTCCTGGAGGCTGCCAAGCAGTGAGTGTAATACGCATCAATGTCGTGG
CGCTTCTGGTAGTGGGCTGCCAGACCTTTGCGGATGGGGTTGGTGTAGGCACACAGGGCACACTTGAAGAG
GTTGTTCTTGCCTTCTGGCTGGGCTCGGACATTATTGTGCTTGATGCGGTAGTGCCTGGCGATCCCCTTCC
TCGTGGAGCAGAAGTACGTCNNNNNNNNNNNN

Table1 5004

NCGACCCACGCGACCCACGCGTCCGGAGACGCAAGCAGCTGGATCTCCGGTAACTGAGACATAGG
GTATAACTGTTGTCGCGGCGGAGGAAGTGAGGACGGCGCCAAGGGCCTTCCGGGCCAGTGTTGGATCCCTG
TAGTTTGTGAAGATGGTGTTGCTAACAATGATCGCCCGAGTGGCGGACGGGCTCCCGCTGGCCGCCTCGAT
GCAGGAGGACGAACAGTCTGGCCGGGACCTTCAACAGTATCAGAGTCAGGCTAAGCAACTCTTTCGAAAGT
TGAATGAACAGTCCCCTACCAGATGTACCTTGGAAGCAGGAGCCATGACTTTTCACTACATTATTGAGCAG
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GCACTCAGAATTTGATGAACAGCATGGAAAGAAGGTGCCCACTGTGTCCCGACCCTATTCCTTTATTGAAT
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ATTGCTTTAGGGTAAGTGAATTATATTAAGATGCCTTGAAATTATAGCACTCCTTGATTAAGAAGCTAAAA
TGTTTCTCTCATTTACTCCTTAAACAAAAGACTTAAATTAGTTTGGGTCATTATTACTTTTATTTTGCAGC
ATTTGGTTTGTTATTAGCGTAAGAGCAAGTATAGGATATGGAGAGGCCCCTGGCTTCATGAGAACAAAGGC
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AATTCCAACTGGCAAATGGCCTTTTAATATATGCAGGGCTGCATATAACTAAAATCCTGACTTACGCAACT
CTCCTTACTGGCGGAAATGAGGACTTTAATCTAAACTTGGCGAAACATACAGGAGAGCTCTTTCCGGGAAC
CAAGAACCCGGCCGAGAAAAATATCCTACACGGGGACGGTTTCCACATACGACGATGCTTTGGCACAGAGG
GGGGAAATATAGAACCCAGGAGGGAAACGGCANNN

Table 6

Table1 5005

NNNNAGGTGTGGATTTCTCTGAAATAGGCCAGGGAAAAGGCTGTGACCTCTCCTTGGGTCTGCTG
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TGCTGTCCATAGAGGAGAACAAGCAACGAAGATCATGGCTAAAGATCTTAGAGATCCTTAAAATGCCGATT
CCTAATCTCTTGCTGAAAACTACTGACTTTTAGATATTTTCCCGCTTGCCACTCTGTAATCCAGAATATTA
GGAACAAGTTCTTAAACTCGAGTTTACTTTTCACTGGTGTTTGCATGTGTGGGGGACAAAAGTTTATGTTC
TTGTGGCAGGAAACTGTGGGATCTGCAGCATGGAGGAGNN

Table1 5009

NCCACCCACAGCCCCGGCTACCCCGGAGAAGCCTGACTTGAGAACCCTTTCTGCAGAGTCCCGGC
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CCCGCCGCGGCCTCTGGGGCATGGAGCACGCTGCCCAGCCCTGGCGATGGCAACGGCGACGGGGGTGGCGG
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CTATTTTGGAGAAATCATGGAGTGGTGTGGCTATGCCCTGGCCAGCTGGTCTGTCCAAGGCGCGGCTTTTG
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TTACAACTGTCTTTGATGGCATTTTCAGAACAATAAATGTCACAATCCCTTCTATAGCCCCCTACAGTGAT
CTCTTCAAGGTCAACTGCAGTGTTGCTTCCCTCCCCCTATAGGGCTGGAATCTGTCTAGGAGCCCTCTCTC
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GGTGCTGTGTGTAAGTGGAGAACTTGGGGATAGAGGAGGAAGCTCCTCGTGGCCCTTCCAAGGTGAGGCAA
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CTGTACCTGTTATCAATATAAAATAATCTTCCTGTTGAATGCTTCATGACTTGAATTCTACTTTGATAAAA
ACATTGCCATACTGCTTTTTATCTTGATGAATTCATCTGGCATTGCTTTGCCTTATCATCTCATCTGGAGT
TTTTAAATGCCATTTGTTTCAGTTGTCTTTAACAACATAATAAATAGACTTTGCCATTTAACACGGTAGGC
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Table1 5010

ACGCGGGGGGAGAAGGGGCGCAGGTGGCCGCCATCTTGGATTGCGAACTGGGTCGCTACGCTTCA
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AAAAAGAGAAGAACAGTTGTTCAAACGCAGAAATGTCTATTTGCCCAGAAATGATGAATCTATGCTTGAAA
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GTTCAAATGATTTTTTCTAATAATGCTGATCAACAGCTAACAGCAACACAGAAATTTAGAAAGCTGCTTTC
TAAAGAACCTAATCCACCAATAGATCAAGTTATACAGAAACCAGGAGTTGTACAGAGATTTGTGAAATTTC
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Table 6
887/3331

TCCATACTGTGCTCTCATTGAAGAAGCATATGGTCTGGATAAAATTGAGTTTTTGCAAAGCCATGAAAATC
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Table1 5012
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Table1 5013
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Table1 5014
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ATCCACTTCANNNNNNNNNNNNNNNNNNNNN
Table1 5016
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Table 6
889/3331

GGGGTCCCCTACCGAGTCCTAGAGCACACCAAGAAGGAATGAGACTCGCCTCCCTCTATTTATAACTGTCC
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Table1 5017
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Table1 5018
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Table1 5019
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Table 6

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Table1 5022

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CAGAACTCTTCCCCCCCTTTGTTCTTGGAAGTGTTCGAGGATTAGACTGACTGGATTCATTCTCATAATTCC
TACAGCACTACTGGGTGTCATTTCATTCCATTGCCTAGCTCTTTTTTGTTTGTTTCTTTGTGTTGGGAGGG
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CCTGCCCGG

Table1 5023

cggacgtggcgcacatggtgagctccgggggcgctccgactgcgtgccccaaatccccggacctg
cccaactccgtctcggcgccgaccgacgccggtgcagaagCGCccaggagCccttccgcgAaGGCTGGGAG
CGGGAGCGCGACGCCCGCGAAGGCTGTTGAGGCTCGAGCGAGCTTCTCCAGACCGACCTTTCTGCAGCTGA
GCCCCGGGGGGCTGCGACGCGCCGATGACCACGCGGGCCGGGCTGTGCAAAGCCCCCCGGACACGGGCCGC
CGCCTGCCCTGGAGCACAGGCTACGCCGAGCCtggCaGGGTCATCAATGCTGGCAAGAGTCGGCACAATGA
GGACCAGGCTTGCTGTGAAGTGGTGTATGTGGAAGGTCGGAGGAGTGTTACAGGAGTACCTAGGGAGCCTA
GCCGAGGCCAGGGACTCTGCTTCTACTACTGGGGCCTATTTGATGGGCATGCAGGGGGCGGAGCTGCTGAA
ATGGCCTCACGGCTCCTGCATCGCCATATCCGAGAGCAGCTAAAGGACCTGGTAGAGATACTTCAGGACCC
TTCGCCACCACCCCTCTGCCTCCCAACCACTCCGGGGACCCCAGATTCCTCCGATCCCTCTCACTTGCTTG
GCCCTCAGTCCTGCTGGTCTTCACAGAAGGAAGTGAGCCACGAGAGCCTGGTAGTGGGGGCCATTGAGAAT
GCCTTCCAGCTCATGGATGAGCAGATGGCCCGGGAGCGGCGTGGCCACCAAGTGGAGGGGGGCTGCTGTGC
ACTGGTTGTGATCTACCTGCTAGGCAAGGTGTACGTGGCCAATGCAGGCGATAGCAGGGCCATCAAGCCCT
TTCTCTCCTGCTTCCCTGAGGTACgaGTGTATGACCTGACACAATATGAGCACTGCCCAGATGATGTGCTA
GTCCTGGGAACAGATGGCCTGTGGGATGTCACTACTGACTgtgaGGTAGCTGCCACTGTGGACAGGGTGCT
GTCGGCCTATGAGCCTAATGACCACAGCAGGTATACaGCTCTGGCCCAAGCTCTGGTCCTGGGGGCCCGGG
GTACCCCCccgAGACCGTGGCTGGCGTCTCCCCAACAACAAGCTGGGTTCCGGGGATGACATCTCTGTCTT

Table 6
891/3331

CGTCactCCCCCTGGGAGGGCCAGGCAGTTACTCCTGAGGGGCTGAACACCATCCCTCCCACTAGCCTCTC
CATACTTACTCCTCTCACAGCCCAAATTCTGAAGTTGTCTCCCTGACCCTTCTTTAGTGGCAACTTAACTG
AAGAAGGGATGTCCGCTATATCCAAAATTACAGCTATTGGCAAATAAACGAGATGGATAAAGGAAAACTCG
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AAATTCCAGAGGGCCATTACTGGTGCATCTCTTGCTGATATAATGGCCAAGAGGAATCAGAAACCTGAATG
TTAGAAAGGCTCAagcGAGAACAAGCTATCAGGGCTGCTAAGGAAGCAAAAAAGggcTAAGCAAGCATCTA
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CCTCCGGTGGAGAAGTGTACTAGGCCGTGTCTGCAGCTGGAGCCCTCGGCCTGAAATGTTCTGGCTTTAGC
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ATTCGTCCCAGGAAAGGGTGACCGGGGTCGCTGCTCCGGGATTACCAGCTAAATACCTGTATTAGCATCCT
CAGCACGCACTGGGAGACGCAGCTCAAGTCCGCTCCCCTTCTTGCACCCTCATATATATTTGGTGCAAAAT
GGAGAACCTTTTCCCCTACGTTTGTGTAAAAATATATGTAAATAAAGCCTTAAAATAGTGTTACCGACCCC
CTTTTCCACtcgCAATAACATTGACTATAAATGCTGATAATTCCAAAAGAATCTCGACTCTTCCTTGAGTA
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Table1 5024
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GCACATCAACCAAAAGCGAACAAAAGAGAGGCTCGACACTCAGAGCGGTGCANNNNNNNNNN
Table1 5026
NNNAGGCCCCCCGCGTCCGGGCGGCGCTGGAGTCGGCGCGGGTGCTGGCGCCATGGAGGCCGAGC
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CGCAGCAGGTGGCCTACACGCTGCTGTGGCCCCTGAGGGACCTGGACACTGGCGAGGAGGTGACCCGAGAC
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Table 6
892/3331

CGGGTGATGCAGCCGCAGATCCTGGAGGTGAACTTCAACCCCGACTGTGAGCGAGCCTGCAGGTACCACCC
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GCCATCCTCCCGGCGCCACACTCCGGGAGCACAGCATCCTCCTCTCACCTGTGGGTCAGAGCAGGACAGTG
ATGGTGTCCCCAGGGCTGAGCACCACCCCACGCCCTGCCCTCACCCCTCACCACCATCTGTGCACTGATGA
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GGGACGGCTGTGGGGCCCCACACTGCACCCACAGGGCTCTATGCGACAGGGGCCCAGGAACAGCCTGAGGC
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GAGCCACAGGCTCAGCCTGGCCTGTCGCCCCGGCTGTCACTGAAAAGCCCCGGATACCAAGAAGTCACCCA
CAAAAAGTGGGAGAAGAAATAAGATGGCCTTTATATCGCAGGCCTCCACCCCACAGTCTGATTTCCATGTG
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TAGCGGCCTCCCCACACTTGCCTCCTTGTCCCTGGGGTGGGGACGGTGGAGAAACCCTTGCTGCTGGGGCG
TCTGCAGGGCCCCCTCGGGCCACTGTTGAGCAGGTGCATTGGACACCTCAGTGGGTGGGAAACAGCGCCAC
ATGGTGAN

Table1 5027

gcGTCCGCGGACGCGTGGGCCgccACCGTCGTCCGGCAAAGCCTGAGTCCTGTCCTTTCTCTCTC
CCCGGACAGCATGAGCTTCACCACTCGCTCCACCTTCTCCACCAACTACCGGTCCCTGGGCTCTGTCCAGG
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CGGATCTCCGTGTCCCGCTCCACCAGCTTCAGGGGCGGCATGGGGTCCGGGGGCCTGGCCACCGGGATAGC
CGGGGGTCTGGCAGGAATGGGAGGCATCCAGAACGAGAAGGAGACCATGCAAAGCCTGAACGACCGCCTGG
CCTCTTACCTGGACAGAGTGAGGAGCCTGGAGACCGAGAACCGGAGGCTGGAGAGCAAAATCCGGGAGCAC
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GATCTTCGCAAATACTGTGGACAATGCCCGCATCGTTCTGCAGATTGACAATGCCCGTCTTGCTGCTGATG
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GCTCTTCATGAAGAAGAACCACGAAGAGGAAGTAAAAGGCCTACAAGCCCAGATTGCCAGCTCTGGGTTGA
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GAGCTGGCTCGGAAGAACCGAGAGGAGCTAGACAAGTACTGGTCTCAGCAGATTGAGGAGAGCACCACAGT
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Table1 5029

NNNCAAATAAAGAACATGGTGAAACTGATTCACACATTAGCTGATCATGGTGACGATGTCAACTG
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TCAGGACATATTTTGGCATCGTGTTCAACAGATGGTACCACTGTCCTATGGAATACTGAAAATGGACAGAT
GCTGGCAGTGATGGAACAGCCTAGTGGCAGCCCTGTGAGGGTTTGCCAGTTTTCCCCAGACTCCACGTGTT
TGGCATCAGGGGCAGCTGATGGAACTGTGGTTTTGTGGAATGCACAGTCATACAAATTATATAGATGTGGT
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Table 6
893/3331

TAGTCTCAGGGTCAGTGGATAAGTCTGTCATAGTATATGATACTAATACTGAGAATATACTTCACACATTG
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GGACAAAACAGTGAACATCTGGCAATTTGACCTGGAAACACTTTGCCAAGCAAGGCGCACAGAACATCAGC
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TCAATAGATGGCTGGAGACACACCAAAAGTAAAATTGTTGATATTGTATTATTTATATTTTCAGTGATCTC
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GTGCNNNNNNNNNN
Table1 5030
CCACGCGTCCGCCCACGCGTCCGTTGTATTTTTATTCAATACGGGGTTCTCCATGTTGGTGAGGC
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Table1 5032
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Table1 5033
ACGCGGGGAGTCAGTGTCAGCCCGAAGGCTGAAGGAAAAAGAGCAACAGATCCAGGGAGCATTCA
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Table1 5036
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Table1 5037
GTCCGCTTGACGTGGCGTCACCGCCCTCTACCCTCGCTTTGCGTGCGTGTTTGCGTACAGCGGAG
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CTGCCTTGGGCTGCCGAACAGACAAGGCGTGGGCCACAGCACCTCAGAAGCCGACGCAGCTCGACGCAGGG
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Table 6

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Table1 5038

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TCTCGCCACTGGCTCGGAGAGTAGACAGAGTTGCCATCTATGAGGAATTTCTGCGGATGACCCGGAATGGT
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Table1 5039

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GGACTTATGCAGTCGACNN
Table1 5040
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Table1 5041
NNNNNNNNCAGCTTAAAGGCGATATTTTAACATGTTTATAGATACTACTTGGGGGAGGGCAGCTA
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Table 6

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TAAAGAAATCACGTGCCTGAAACTGTGCTTAAGTTTTGGGGGAAAGATGGAGTTCCTATCCAGAGCCCCCA
GATTTCCAGAATCGAGTGAGCTTCCTGGAAGGAGACTGCGTCTTCTCTCAATTCCAGTCATCTCAGTCGTT
GTCGTTAGGTGACATGTGCACTTTAAATGCTCTCATCGGTTGGCTTCATTTTCAAGACAATCAAATGTATT
GACTGTGTTTTCNNNNNNNNNNN

Table1 5042

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Table1 5043

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Table1 5045

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Table 6
898/3331

CCGCGCGGGGCTCCCCGCTGGGCCACCCCTTCGCCAGCGCCCAGCCCCGTGCGGCCTGTCGGATCAGGCAG
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Table 6
899/3331

CCAAAAATGGCTGGGAACGTTTGCTTTATTTACATTCAGTCAGCGTTGCTTTCAGATCACACTTTATCCAC
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Table1 5046
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Table1 5048
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GTGGTGCGCACCTGTAGTCCCAGCNN
Table1 5049
NNNACACCCCGGGCAGGTGGAGCGCTCGCGGCTGCTCGCGGCGAGCCCGGGAGTGATGGCGAGGC
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Table 6
900/3331

ATGAGCCTGCTGTGCTCCATAATCTCAGAGTCCGCTTTATTGATTCCAAACTTATTTATACGTATTGTGGT
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Table 6
901/3331

GCTGAGTATCGGCAGGTGCTGAGTGACTTGGCCATTCAGATCTACCAGCAGCTCGTGCGGGTGTTAGAGAA
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Table1 5053
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Table1 5055
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Table1 5057
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GCGCGATTTCAGCTCACTGCAAGCTCCGCTTTCCGGGTTCATGCCATTCTCATGTCTAAGCCTAAATAAAG
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Table 6

Table1 5059

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TGTAGGTCATTTTTTTTGCTTCTGGCTACCTGTTTGAAGGGGAGAGAGGGAAAATCAAGTGGTATTTTCCA
GCACTTTGTATGATTTTGGATGAGCTGTACACCCAAGGATTCTGTTCTGCAACTCCATCCTCCTGTGTCAC
TGAATATCAACTCTGAAAGAGCAAACCTAACAGGAGAAAGGACAACCAGGATGAGGATGTCACCAACTGAA
TTAAACTTAAGTCCAGAAGCCTCCTGTTGGCCTTGGAATATGGCCAAGGCTCTCTCTGTCCCTGTAAAAGA
GAGGGGCAAATAGTCTCCAAGAGAACGCCCTCATGCTCAGCACATATTTGCATGGGAGGGGGAGATGGGTG
GGAGGAGATGAAAATATCAGCTTTTCTTATTCCTTTTTATTCCTTTTAAAATGGTATGCCAACTTAAGTAT
TTACAGGGTGGCCCAAATAGAACAAGATGCACTCGCTGTGATTTTAAGACAAGCTGTATAAACAGAACTCC
ACTGCAAGAGGGAGGGCCGGGCCAGGAGAATCTCCGCTTGTCCAAGACAGGGGCCTAAGGAGGGTCTCCAC
ACTGCTGCTAGGGGCTGTTGCATTTTTTTATTAGTAGAAAGTGGAAAGGCCTCTTCTCAACTTTTTTCCCT
TGGGCTGGAGAATTTAGAATCAGAAGTTTCCTGGAGTTTTCAGGCTATCATATATACTGTATCCTGAAAGG
CAACATAATTCTTCCTTCCCTCCTTTTAAAATTTTGTGTTCCTTTTTGCAGCAATTACTCACTAAAGGGCT
TCATTTTAGTCCAGATTTTTAGTCTGGCTGCACCTAACTTATGCCTCGCTTATTTAGCCCGAGATCTGGTC
TTTTTTTTTTTTTTTTTTTTTTTTTCCGTCTCCCCAAAGCTTTATCTGTCTTGACTTTTTAAAAAAGTTTGGG
GGCAGATTCTGAATTGGCTAAAAGACATGCATTTTTAAAACTAGCAACTCTTATTTCTTTCCTTTAAAAAT
ACATAGCATTAAATCCCAAATCCTATTTAAAGACCTGACAGCTTGAGAAGGTCACTACTGCATTTATAGGA
CCTTCTGGTGGTTCTGCTGTTACGTTTGAAGTCTGACAATCCTTGAGAATCTTTGCATGCAGAGGAGGTAA
GAGGTATTGGATTTTCACAGAGGAAGAACACAGCGCAGAATGAAGGGCCAGGCTTACTGAGCTGTCCAGTG
GAGGGCTCATGGGTGGGACATGGAAAAGAAGGCAGCCTAGGCCCTGGGGAGCCCAGTCCACTGAGCAAGCA
AGGGACTGAGTGAGCCTTTTGCAGGAAAAGGCTAAGAAAAAGGAAAACCATTCTAAAACACAACAAGAAAC
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TCTCTTGACTCCACTACTTAATTCCGTTTAGTGAGAAACCTTTCAATTTTCTTTTATTAGAAGGGCCAGCT
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TGGGCTCCACATTGCAATGTTCAATGCCACGTGCTGCTGACACCGACCGGAGTACTAGCCAGCACAAAAGG
CAGGGTAGCCTGAATTGCTTTCTGCTCTTTACATTTCTTTTAAAATAAGCATTTAGTGCTCAGTCCCTACT
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CTGTGATGTATATTGTGTTGCAAAAAAAAAAAAAAAAAGGGGGCCCTTTTTTGTAAAAAAAAACCTGGGTGGG
GAAACCCATTTGGTTTTTCCCCCTTGGAACCTGGTTTTAACCCCTTTTTTAACGGGGAAAAAAAACTTTGA
AAAAGTTTTTTTTTCACCTTTTAACGGGGAAATGGGTGGGTTTTAAAACCCTTTTCCCCCAAACGCCGGGT
TTTTATCCGGTTAAAAAAATAATTGGGGGTTTTTAACAGGAAAAAAAACCCTGGTCCAATTTGGCCAAAAA
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AAAAGGGTTTGAAAAAAAAAGCCCCCNNNNNNNNNNNNNN

Table1 5060

NNAGAGGACCCAGTCCATTTCACCTGCATTAGATGTCTTATCACCAAGAACAGATGCAATCCTCT
CTGCTCGCTTATGAAGCTGAAGGCAGCTGGCTGTGCATACAGTGGTTCCCTTGGCATTTAACAGCATGAAG
AGTACATGGTCAGGAGTCGCCTGGGCTCGCCACTGTAGGATCTCTGCCAGAAACTGGTGCTTCCTCACCAA
ATCATTCTCTTCTATTTGTCCCAGATCCCTTCCAGCAGCTTGTGCTATACGTTTTCCAGCAACCAGATTCC
CAACCATCACGGAAGCAGGGCCTACACCTGGTTGTTTTTGCCGGGGCTTTGGCAAAGTTTGTCAACACAAT
GTATGGGGGCACATGAAGGATGTTGCAAGGATGCAGTGATCCCCTCCAGAAAGAGTTGTTTCGTCTGAGAT
ATATGGATTCCTCCTAGTGGAGTTTTTGGCAATGTATTGGCTGGCACCAGAGCAAGACAATAAACCCCCAC
TTGATGAATGCTATCGATCGCCTGCAGCACGCGGCTCATCCACTGGAAACTATCTTCCTCAGAAGCATCAG
GTCTTTGTTCCGCAACCACCACAATGCGCTCATCATAAAATACAGACACAGAAAACACAGCAATTCTTCCT
CTATAAACAGTCTTTATTGATTCTACAGCCAATCCAGTAGCAACAATGTCATCAGCATTATGTCTTCGACC
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TTTCATCTGTTTTGCAGAGCTGGGGAGGTCCATCTGGTTTCACAATGCACATCATCCCACCAGGCATTACA
TGCCCTACATCCTGGACCGTCAGTGCTGAATTTTTATCTTCAGTATTGACCCGTATTACCCCATAGCTCAA
TCCATTCATTGAGAGAATGGCTCTTCCTGGCAAAGGGGCTCCTGGAACTCCAGGCCTGCGGATTGCTACAG

Table 6
903/3331

TCATGGCTTCAGCAGACGTGGCGCACGGTCAGATGGCCTCAGGCTTCAGTCCATGACTTTGGAACAGACTC
AGGAAGGCATCACAGGATGACACGGACCAGGGGTTAGCTCCATCTGTCACAATTAACATTCGGAGGGAACT
CAAGCTCACGTCTCTTTGGTCCCGATGTGCCATCATAGCCCAGTGCAAGTCCCGACATTTTACTAAAGCTA
CCTTGGCTTTGTGAGCATGT
Table1 5062
CGACCCACGCGTCCGGCAAATATGCAGCGCTCCGCAAGATGAGCTCTCCTGCAGACAAGCATGGT
CTGAAACATTCTTTGAGCAATATTTATTGAGTGCCTACTATGTGTTAGGTACTGTGCCAGGCACTGATAAG
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ATCTGGCAGAGAAAGTTTCCTCGTTGTAAGTATTTGCATCTACTTCAAGCCAGATTCTTCTGCCTCTTTCT
CCTTTCCAGACCCCTACTCTGTGCAGTGCTGACCACAGCTAGAGCCACCGCCCCATTGCTCAACCAGTATT
TATTTCCCTAAACGACCCTTCCTCATATTCCCTTCCCTCCACCTCTCCTTACCAAGCACCCAAAAGAGGAT
TTAGAACTAGCAGGGTGGACATCATCTGGTTGTTTCTACTTTTCTCTGCCTAGCACAAAATTGGGAGAAAA
CTGGAGCCTCCATCCGCAGTCACACGTGTACAGATCTGGGGATTTGGATGTAGGCTTTTTCTAACTTCTCT
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TGATCCTGTTTCTACCAACACTGCACCTTATCCCAGGAACCTGCCCTAGACCTCCAGAGACCATATTTTCT
CTCCCTCCATTTCTACCCAGACCTCCAGGCCTCCTTCTGGAATCATAGAACCGTAGAATTGGAAGGAATTT
TAGAGGTTTTCTAGTTGGAGTTGTGTCCAACAGAATTCATTAACACCAGCCTGGGCTTGTTTTTCCTCCTC
CCTCTGGACTTTTTTCATCTTTTCCTCCACCTCAAAAAATACTTACACACAGATTCTTCTTGTACAGGCAT
CAAAACCAACTCCTCTGCCCCTAAGGCTGTGTCCCTGTGGTCTCCAGCCACCCCTACCCCAGTCACTCGCC
CCTTCCTCATCTCTGGAATTTGGCCAGGCAGTCCCAGAAGACTCTGGAGTGACCTCCTTTGCCTAAAAAGC
AGACAGATAGGCATGCCCCAGGCCCTGAGTGAGCAGAGGAGGACTGTAGGGTGAGAGGGAAAGAAAATGAA
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AGGAGCAATATTGGTTTACTCTCGTATCCTTAAAAAGTTACAGAACTGTGTCTTAAGAGAATTATTTATAG
TTACTATAACTGAATTGACAAATGTCAACTTAACTGATAAATTATATTTGGTAAAATAAAGAGGACGTTTA
TTTAAAAAAAAAACCAACAAAAACGTAAAATAATCCAGATCAAAAACAATAANNNNNNGGGGGGCCCTTTA
TTTTTTATAAAAAAAAACCCCCCCCCCCCCCCCCGNN
Table1 5063
ACCAAAGCTCACTACTGCGGTTTGCCTGTGCCTGGACAATGAGGCGGAGCCACTGTTGTTGGGGC
ACCCCCTTCCCTCCCCGGGTTTGCAAATAGAGGCTACCGGGTGCTGTATTCAGCAACACCCGTTTTACTAT
TTGTTATTAAAACTACCCATCTTCCACCTTTCCTTTTTGATTAGCAATTTGTACGCGGGGAAGAAACATGG
ATTTAAATTGGGTCCTGCACCAAAAACTTTAGGATTCAATTTGGAAAGTGGTTGGGGCTCTGGAAGAGCTG
GACCAAGCTATAGTATGCCAGTGCATGCTGCAGT
Table1 5064
GCGACACAAGCGGCTGGACGTGAAGAGGAACACACCGGCGGAGAACACAGAACACCAACCCTCTC
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CCGGAGAATGACAAGAGAGCGAGTACCTGGGTGACGTTTACGTTCTGGGATTTCGGGAGATGCGGTTTTCT
GCACGCCAGGGGCCAAGCCTGAGACGTAGATGGACGGCAGGGATAGGAGCTCTCTCCGCGCCACAAACGCC
CCTGCTCATACCTGGGTTCCTTGATTTTCCTGCCTATATAACCGAGCCTCCCATGGCCGGGCTCTGAGCTC
TCATTCTGCGGACTGGGACAAAGGGGTTAACTGTGATGCGCTTTGTATAACCCCAGGATTCTGCACTTGCC
CAAGGGCGAGGCGCAAATCAAAAACTACGCACAACTGAACACCGAGATCAGGTGAGTCCTGAGTGTCTCAC
GACATAAAATCCTTACGATTTTAACAAGAGTTGTATTTGTGCTAGCACTGTTAACTGACAAACGCATGCCA
GATCCCATCTGTCTTTAAAGCTCAATGTGTGACGGTTAGACACGTCGATTGTCTCTTCAACTTTCTTATTT
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GGAGTGATACTGGACGCTGTGGGAGAACAGCCATGTGAATACACCCGAGTGAACCCGTATAAGCAAGGGTT
AACGCGTACCATACCATGTTTCACGTCTCACGTTTAAAAACGCGGCACTGTGTCGCGAACGAAATAGATAA
AGGAGGGGCACATGGGAGAACACTAACAGCGCGCGCGCACCCACACANNNN
Table1 5065
AATATTTGCTTTTAAACATTTGATTTTCATCAATCTTTGGATGATTTGACTTTATTGTCAATATC
TAGTAAATTTGCCAAAATATTTTTTTTATTCCTTGCTCCCCTTTATCCCACTAAAAACTTGGGCGGGTAGA
ATTTTCTGTTTTCCTAAACAGGAAGGAGGCAAAGCTGGTTTCACCTTGTCGTCTAACTGTAAGCCCATAAA
GGAAATATTGGTCCAAAATTTTGCTTGAGCAAAGTTCTATTAATTCATTTGTACCCAAGAAATTTAATTCA
AGAAACTTAAATATGTAGTGAAAAAAAAATAATAATTTTTTTTAACAAGAAAAAAATATTCTAGCTTAAAA
GTCAAAGTAAAAACNNNNN
Table1 5068
agtcGGGAGGCGACTTCTCGGACGCCGCGGCGGTGCGCAGGCGCCGTGGCCGGACTGGGGACTTT
GTTCTCCGCGGAGAAACCCAAGGGCGGTGCCGGTGGCTGGCTGCGCACGCGCGCCGCCTCATTTCCGGTGC
TCTCTCTCGCTGGGTCGCTCGGGTCGGCTTCGGTCGCTACCGCTCCCGCTCTGCCACCCCCGCCAACCGCC
GCTCGGGCCTCCGTCGCTGCCGCGTCGCTTTCTCGCTCCTTGGATCGCACATCCTCCCAGATGCAGCGCCG
GGACGACCCCGCCGCGCGCATGAGCCGGTCTTCGGGCCGTAGCGGCTCCATGGACCCCTCCGGTGCCCACC
CCTCGGTGCGTCAGACGCCGTCTCGGCAGCCGCCGCTGCCTCACCGGTCCCGGGGAGGCGGAGGGGGATCC
CGCGGGGGCGCCCGGGCCTCGCCCGCCCTGCCACGCAGCCGCCACCGCTGCTGCCGCCCTCGGCCACGGGT
CCCGACGCGACAGTGGGCGGGCCAGCGCCGACCCCGCTGCTGCCCCCCTCGGCCACAGCCTCGGTCAAGAT
GGAGCCAGAGAACAAGTACCTGCCCGAACTCATGGCCGAGAAGGACTCGCTCGACCCGTCCTTCACTCACG
CCATGCAGCTGCTGACGGCAGAAATTGAGAAGATTCAGAAAGGAGACTCAAAAAAGGATGATGAGGAGAAT

Table 6
904/3331

TACTTGGATTTATTTTCTCATAAGAACATGAAACTGAAAGAGCGAGTGCTGATACCTGTCAAGCAGTATCC
CAAGTTCAATTTTGTGGGGAAGATTCTTGGACCACAAGGGAATACAATCAAAAGACTGCAGGAAGAGACTG
GTGCAAAGATCTCTGTATTGGGAAAGGGCTCAATGAGAGACAAAGCCAAGGAGGAAGAGCTGCGCAAAGGT
GGAGACCCCAAATATGCCCACTTGAATATGGATCTGCATGTCTTCATTGAAGTCTTTGGACCCCCATGTGA
GGCTTATGCTCTTATGGCCCATGCCATGGAGGAAGTCAAGAAATTTCTAGTACCGGATATGATGGATGATA
TCTGTCAGGAGCAATTTCTAGAGCTGTCCTACTTGAATGGAGTACCTGAACCCTCTCGTGGACGTGGGGTG
CCAGTGAGAGGCCGGGGAGCTGCACCTCCTCCACCACCTGTTCCCAGGGGCCGTGGTGTTGGACCACCTCG
GGGGGCTTTGGTACGTGGTACACCAGTAAGGGGAGCCATCACCAGAGGTGCCACTGTGACTCGAGGCGTGC
CACCCCCACCTACTGTGAGGGGTGCTCCAGCACCAAGAGCACGGACAGCGGGCATCCAGAGGATACCTTTG
CCTCCACCTCCTGCACCAGAAACATATGAAGAATATGGATATGATGATACATACGCAGAACAAAGTTACGA
AGGCTACGAAGGCTATTACAGCCAGAGTCAAGGGGACTCAGAATATTATGACTATGGACATGGGGAGGTTC
AAGATTCTTATGAAGCTTATGGCCAGGACGACTGGAATGGGACCAGGCCGTCGCTGAAGGCCCCTCCTGCT
AGGCCAGTGAAGGGAGCATACAGAGAGCACCCATATGGACGTTATTAAAAACAAACATGAGGGGAAAATAT
CAGTTATGAGCAAAGTTGTTACTGATTTCTTGTATCTCCCAGGATTCCTGTTGCTTTACCCACAACAGACA
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TCTGGCTTCTGTATGTAGTATTTTAAAATGAGTTAAAATAGATTTAGGAATATTGAATTAATTTTTTAAGT
GTGTAGATGCTTTTTTCTTTGTTGTTTAAATATAAACAGAAGTGTACCTTTTATAATAAAAAAAAGAAGTT
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AAGGCTTGTTAAGTTTCTCTTAGTTTTGATTTGAGGCATCCCGTAAAGTTGTAGTTGCAGAATCCCAAACT
AGGCTACATTTCAAAATTCAGGGCTGTTTAAGATTTAAAATCACAAACATTAACGGCAGTAGGCACCACCA
TGTAAAAGTGAGCTCAGACGTCTCTAAAAAATGTTTCCTTTATAAAAGCACATGGCGGTTGAATCTTAAGG
TTAAATTTTAATATGAAAGATCCTCATGAATTAAATAGTTGATGCAATTTTTAACGTTAATTGATATAAAA
AAAAAAACAACAAAATTAGGCTTGTAAAACTGACTTTTTCATTACGTGGGTTTTGAAATCTAGCCCCAGAC
ATACTGTGTTGAGAGATACTTAGAGGGAGGGAGTAGGTTTTGAAGAGGTTGATGGTGGTGGGGAGGGAAGG
CCTCCTGAATTGAGTTTGATGCAGAGCTTTTTAGCCATGAAGAATCTTTCAGTCATAGTACTAATAATTAA
ATTTTCAGTATTTAAAAAGACAAAGTATTTTGTCCATTTGAGATTCTGCACTCCATGAAAAGTTCACTTGG
ACGCTGGGGCCAAAAGCTGTTGATTTTCTTAAGTTGACGGTTGTCAATATATCGAACTGTTCCCAAGTTAG
TCAAGTATGTCTCAACACTAGCATGATATAAAAAGGGACACTGCAGCTGAATGAAAAAGGAATCAAAATCC
ACTTTGTACATAAGTTAAAGTCCTAATTGGATTTGTACCGTCCTCCCATTTTGTTCTCGGAAGATTAAATG
CTACATGTGTAAGTCTGCCTAAATAGGTAGCTTAAACTTATGTCAAAATGTCTGCAGCAGTTTGTCAATAA
AGTTTAGTCCTTTTTTAATtCAAAaGTAAAtgtgatgaatggtcatttttttgggtggaccataaaatagt
tttctcTTTCAAAtaacttaattactctatagttaatgggttgtaaagtggaaacattcttaaagtggtgg
gggggatttatttctaagtttacaacaaacagttgatggagcttgTAACCTTAAGTTAAAAATaccaagct
tttacncccctgcagttgtggaccggttgtttcaacacttcaaaatctcattgggagttcaatcatggctga
actggtggtcccaaaggtcagtttaatgcacactgttgccttgaacctgggcctatgtgccacatctggtg
ccagggtgtctgtaacaccacgggcgggtcccccagtcatgcgggggaggccccaaagag

Table1 5069

ATTTGTTTACTTCTGTGTATTTTTTTTTTTTACATAAATGGAATTGCACTATATAGTTCTGTAGC
TCAGTTTTTAAAATTTGGTATTAAAATGTTCTTTCAGTTAGGGCCAAAGGGCATTTAACTTCAAGGTAAGA
CCCATTCCAGGACGGCAGAGATCATGTCTGTCTTGCGTATCCCTGTGTGAATTTTGCCTGACATGTTGCAA
ACACTCCGTATGGAAGTCTTGAGGGTCTTCTGCCCCAGTCAGAAAACCTCTGGGAGAACAGTTATCCCCAG
ACCTCAGACGCTCGACGGATACATGAGAAGCTTTCTTTGATGGATTCGATGTCAGGATCTCCATGTGAACT
TCCACTTAGAGGTGTCATGCTATGGGGCCTCAGCGTCACCACATCGTTTGGACGTCTGACCAGTTTCCTGA
CTTTGAGAGTCTCTTACTTTAAACATGAGGGATCAGCCCTAGAAAGGAAAGGAAAGACACACGCAAGAGTC
TGCCTCTGACTCCACCGGCGGCCACTCTCAGGATGGGTCCTCCAGACGGGATTTAAACAGAACTGTTTTGA
TAGGGACAGTGCTTTCTGTTGCTGTCCTGGGGCAGGGTGATGGCGAGGACACAGGGTGCTTTCAGATCCTC
TGCGTGGACAAGACCAGCTCTGGGCCAGCTTCCAGGAAGCCCCACTGGTAGCGACAGAACATGTCCAATTC
AGAAAGCCCTTCAGGGCTGGTTCAACTGGATATCGTATTTAAATGGATCTATTTATATTTCATATGTGTGA
AAGAAAGGCTTTGTTGGATGAACACATTTACACTTTTCTTTTTTTTTTTTTTTACTGATTAAAATTTTATT
ATTTTGGCCAGGTGTGGTGGCTCACACCTGTAATCTCAGCACTTTGAAAGGCCAAGGTGGGTGGATCACTT
GAACTCAGGAGTTCAAGACGAGCCTGAGCAACGTAGGAAGTCCCATCTCTA

Table1 5070

NNNNNNGACGCTCTGGCCATGGGTTGTGCAAAGAAAGCTTTTTATTTGAGAACACCTAGATACTT
TTGGAAATGTTCTTGTTGGATCACAAACAACCTAATTGACAGTCTATCGCCAACATCCACAAACACAGCAA
ACAGTCCAGTCCTGCAGACCACACAGGGTACATCTAGAGGGTTCTACTTGCATCACCCACACTTCCACTCC
TGTGAAACAACTGTCTTGGGCATGAGAAGGGCCAGGATAGGCCAGGTGAATGGCAGGCTGCCCAACAACCC
CAATCCCAAACCAACCTCCCAGGCCATGGGCCCAAGTCCCTGCAGGAAGATGCTAATAGGTACAACAGGTA
GAACATGTAGACACAAACATCTAGTTTATTTTTTCTGACTGTAACCAAAGTCAGCAAAAGAAACAACAAAA
CTTCAGTGCCCTAGAAATCCTCCTGGATTCAATGACAACACATCAATGGCCGGGCACAGGGTTGGATTCCT
TTTATGAAATCACCTTATAATCTCTCATCATCCCAGGACAGTGCCTTTTGGGACTGCATGAATCTTTAATA
GCTACACCACATTTTCTCATCCTTTAAGTTATGACAGACAGGTTATCTCTCTCCAAGAGCATCAGGTTAGA
TGCTCTTTCACTCTTACAAACTGTCAGGTGGAGGGAGAATCACGACATCGTTCATAAATAACTGTGGAGTC
TGGGATGCTGGCTGAAGGCATCTCCAGGAAGGACTGGAGGGCGATTTTGCTAAAGGGCTGCTCACTGCTCA
TTTCACTGCATGCCGCTTTTCTCACTTTGGTTGGGAGTTTGAAGGACCATGTAATCACAGAGATTAGAGCT

Table 6
905/3331

CCCTGTGAAATCAATCACTGCCTTTAGATCTCCACAAAGACCTGTTCTCCAATAGCACATGCGTTTCTCTG
TGAGCTGTATTCGCATCAGCGCCGGAGCCTCAGAAAGAATGCGTGTTTACACTCTGTACTCTCCAATGGGT
AATATTTATCATAGAAATCTAATACATATTCTTCAGTCTTGAATCCAAACTTCTGGTACAGTAGCATAGCG
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AGTTGCAATCCCTGCTCTTCTCCATTCAGGGTGGACGAACAGAAATGAAATGTAAGCTTCATTGTATTTCA
CATCAGGAACCATGAAGCCAAAGGCAATGATGACTTTTTTATAAAGAACAACAACACTGAAGTCTGGGTAC
TGCAGACACTCAGACAGGTCAATGCCAGGCCAAAAAAACTCCTGACACATGGAGTTGATCGTTGGGATGTG
ATTTGGCCGCACATAACAGTAATCGAGAGGTGCGTCGGGCTCCGGCGTCCAGTGAGGGTCGCTCCTGTGCA
GGTGGGAACGAATCTGTGACAGGAGCTGCAGTTTGGGTGGCTTTGTTTCATAATCACGCCTGATATAAGGT
TTCAAGATCCGAGAGGTATAAGGGCTGACAATACTCTGGTCCACAGCCATATCTTCTGATCCTACCAAGCG
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TTCTGAAGTCCTGACAGGTGGTTCTGTACGTGGCTTGTCCAGCTGGAAGTCTGGAAATTCCTCCTTCTTTG
GCTCCATAAATCCCGTCAACTAACAAAAGAGCAGCATTAACAACTTGATCCAAGTCAAAAAGTGGTAATCC
CCTATCCCTTTTCGCTTGTCTGACAATCAGTTTGCGTTTCAGTCTCCGAGCTTCCGGAGTCATGGCAACAG
CACCGGGACAAGCTTCCAGCCTCTTGAGCAGCAGCTTTTCCTCGTAGATGCTCACGGGAGTATACCTGGGC
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TCTGTTCAGGGCCTCTGACCTTCTTTCTGCCCCCAACCACTGGCCCAGAAGCTACTGACCCAGCAGGGGGT
GGGACGTACTCCATCCCTGGGTCTATGACTCCATCGCCTTCCATCTCATCGTCATCATGAAACAAGGCTTG
TGGGGGCATCACATCTGGAATCAGATCTGCTTCTGAAAGCAAGCTAGGTGTGGCAGAATGAGAGGCAGGTG
TACCAGGGGCAGAGAAATCCAGAGAAGGAGGAGGAGATGGGCTTGTCAGCGGGGTGCGGTCAGAGGAGCTC
AAGGAGGAAAAGTCAATCACTTCGCCTTTTTCCAGAATCACATCTGGCCTGCGGCCTCGGCTTATGAATTT
TACAGGGGTAGAAGATGTGCTCCTGTCAAGAAAGCCAGCGGCCTCCTTCTGGGCTCTTCTAATGTCTTCGG
ACGCGTGGGTCG

Table1 5071

aggttACATCACCTTGGTGCTGGGTCCAGCAATGTGTCACCATACCTGCTGAGGGGAGGGTACAG
GCAAGaGagcCACATCACTTAGGTGAGGGGCCCAGAGATATCTCACAGTACCCCCTGTGGGTAGAACTCAG
GAAAAAGGAGAGAGTCACATAATCTAGAAGCTGAGCTCAGCTGTATGTTACAATCACCCAGTGGACAGGTC
CCAGGCATGAGAGTAGAGTCACATCACATAGGTGCTGGACCAAGCAATTTGTCACAACCTTCACTGTGGAC
AGGTCCCCAGAAAAAGAGAATCACATCATTTAGGTAACAAAACCTGAGTTAGTCACTGTTACTTGTTTGGG
CAGAGGTCAGGAAGAAGTGTCACACAACATGTATGCTGGACTAAGCAATACGTCACTCTCTCTGTTTTAGG
CATGGCCCAGGCAGGAGAGAAGGGTCATATCACCTAAGCTCTGGATTCGCAGATAGGCCCCAATCTCTTTT
TTGGGCAATGCTCGGGTAAGAGAGCAGAGTCACATCAAGTGGTTGATGGGCCCAGAGATATATCACATTGC
CCCTTGTGGACAGGGACCAGGCAGGGGACTCACATCACAATAGAGGTAGGACAAGGAATACATCACAATAC
GTTTTGAGAGCAGAACCAAAAAAGAGTAACATAATCTTTGTGTTGAGTGCAGCAATATGTTACACTTTTCT
TTGTGGGCAGAACGTGTAAAGAAGGAAAAAGTTGGCCGGACACGgtgGCCTGTAATCCCAACACTTTGGGA
GGTCAAGGTGGGCAGATCACCTGAGgTCAgGagttcAAGACCAgcctgGCCAACATGGCAAAACGctgtct
ctacTAAAAAtACAAAAATTggcTGGg

Table1 5072

NNCGAATTGGAGCTCACCGCGGTGGCGGCCGAGGTACACTGGGCTCTCAACGTGGTGTGGAAGGT
AGCCTGTTACAGTGCTGGATTCATAAAAGGGCCTTTATGGTTTGTGAAAGAATATCTGTGTGCTTAGGGAG
GAAACTTTTTGATCTGCAGAAAAGCCAGAAGACATCTAGGACATCCATAAAAATTCATCAGAGAGCATTTT
ACTACTGAGCTGCAAAGGGAAAAACTTAAAATGGATATGAAAAGTGAAGAAAGTGATCATAGGAGAAAACC
ATTTCAGATGACAAGAGCACCTCAAAGGCAGCAGCCTCAAGGAGCAGCCATGGCCCCAGACTTGTCGCACG
GATGCAGAAAACTTAATGGAGGAGGCTGAGGTCAGAATGGGAAGAGTTTTTAAAAAATAAAAAGGGGAGCT
AATATGTGAGGNANNNNNNNNNNNNNNNNNNNNNNNNN

Table1 5073

tCGACCcACGCGTCCGgcAgcggatCTAGCgGgggcggcAGCAGCGCCGGGTCCCGTGCGGAGGT
GCTCCTCGCAGAGTTGTTTCTCGAGCAGCGGCAGTTCTCACTACAGCGCCAGGACGAGTCCGGTTCGTGTT
CGTCCGCGGAGATCTCTCTCATCTCGCTCGGCTGCGGGAAATCGGGCTGAAGCGACTGAGTCCGCGATGGA
GAAAACTTTAGAAACTGTTCCTTTGGAGAGGAAAAAGAGAGAAAAGGAACAGTTCCGTAAGCTCTTTATTG
GTGGCTTAAGCTTTGAAACCACAGAAGAAAGTTTGAGGAACTACTACGAACAATGGGGAAAGCTTACAGAC
TGTGTGGTAATGAGGGATCCTGCAAGCAAAAGATCAAGAGGATTTGGTTTTGTAACTTTTTCATCCATGGC
TGAGGTTGATGCTGCCATGGCTGCAAGACCTCATTCAATTGATGGGAGAGTAGTTGAGCCAAAACGTGCTG
TAGCAAGAGAGGAATCTGGAAAACCAGGGGCTCATGTAACTGTGAAGAAGCTGTTTGTTGGCGGAATTAAA
GAAGATACTGAGGAACATCACCTTAGAGATTACTTTGAGGAATATGGAAAAATTGATACCATTGAGATAAT
TACTGATAGGCAGTCTGGAAAGAAAAGAGGCTTTGGCTTTGTTACTTTTGATGACCATGATCCTGTGGATA
AAATCGTATTGCAGAAATACCATACCATCAATGGTCATAATGCAGAAGTAAGAAAGGCTTTGTCTAGACAA
GAAATGCAGGAAGTTCAGAGTTCTAGGAGTGGAAGAGGAGGCAACTTTGGCTTTGGGGATTCACGTGGTGG
CGGTGGAAATTTCGGACCAGGACCAGGAAGTAACTTTAGAGGAGGATCTGATGGATAtggcAGTGGACGTG
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tggaggaggaagaggaggatatggtggtggaggacctggatatggcaaccagggtgggggctacggaggtg
gttatgacaactatggaggaggaaattatggaagtggaaattacaatgatttcggacattataaccagcaa
ccttctaactacggtccaatgaagaGAGGATGAGAGCCCAGAGGTAACAGAACAGCTTCAGGTTATCGAAa

Table 6
906/3331

cTAACAATGTTAaggaAACTCTTATCTCAGTCATGCATAAATATGCAGTGATATGGCAGAAGACACCAGAG
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GTAAAAAAAAAATGCCTTTGAGACAGTTTCTTAGCTTTTTAATTGTTGTTTCTTTCTAGTGGTCTTTGTAAG
AGTGTAGAAGCATTCCTTCTTTGATAATGTTAAAtttgTAAGTttcagggtgACATGTGAAACCTTTTTTA
AGATTTTTctcaaAGttTTGAAAAGCTATTagcCAGgaTCAtgctgtataagaactacgcacacctccaaa
caccctccagcgcggggtacagtcacgagccgtgaccatcatgctcatcacaaaccgcacagggacacgac
acgcaaagacaacaacgcacaccccacgtcggaacaacagagacaaccgaacacggccacactgtacgccc
catctcgcaccgaggggacaccgcgcccaacagagagacaatgacaaccggcgcacaagagcgacgcgcaa
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Table1 5074
NNAGACCCCCACGCGTCCGGTACTCGGCCGCCTGAGCGCCGACCCACGCCCTGCCTGCTCTTCCA
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CCTTGAGGCAGAACCCAGATCCGAAATACCCCTGCAAGAACAGAATTATCTGGCTGTGGATTCCCCTCCAA
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TGAAGGAGCCCAACCAAATACTGAAAACGGAGTCCCTGAAATAACAGATGCAGCCACAGATCAGGGCCCTG
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ACACAGGTTAAAGTGTCTTAACTGGAGGCCTTGATGCGTTGGATTTCATCGGCCAGAAAACGCGATGTTCC
TGGAAGATGACCCGGTTTTAATGGGCCCAGAGGGTCTGGGAGACTGGTGCCTTGACCAGAGTTTAGGGGAG
GTCGTGAAAGGGACCCGATGTTGGGGGCGTCTCTGTGGGACCGGCCAGGCGGTCTGGTAGTCAGTGTGTGG
GTGACCGTAATTCGCGATGAGCGTGCAGTTTCACTCTGGTGATCTCTCNN
Table1 5078
NNNNCAACAAATGTCGTCCCACACATGGTTAGGAACAGAAGAGACATGTCAACTCCTCACTCCTG
AGTTCCATTGGATGGCAGGCTCAGAACCCAGGACATGTTCTGAAGATGGGGAGGGGCCATTTTACAGGCAG
GCCGCGACAGGTAGCGTCAGTTAGAAATCAGGTCTCCAGTGTTCCCAGTTCCCACCAGTCCAACTGCGAGG
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CCCTCCCTTGTCCGTCTTCTAACTCTTCCCCACGCCAGGTCCGTCAAGCCTAAGTCCTTGAGTTCCGGGTC
CGGGCAGCAGAGAAAGGAAGTCCTCTCCCTGGAGGCCTATCTCCCTCAGAACGGCGCGAGAAGCGAGACCT
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CTCAACTCTATAGCTCTAACTGGCTAGAAGTGCCCAACGTGGAATGTTTCTTTTTTAAAGGCGGCTCTTGA
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CAGTCACTGTCCTTGTAAAGTTTTTTAGATCAATAAAGTCAGTGGCTTTCAAAAAAAAAAAAAAAAAAAAA
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ATGAAGAACCACAGAGGAGGAGCAAAAAGGAAGACAGACAAAAAGAAGACGACGAAGAGGCGGGGGCGGGA
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ACACGAACAGACCACCACGACATGCACACGCCCGAGGCGAGCCANNN
Table1 5080
gGGAGTCGACCCACGCGTCCGTGGCCGGCTGGGCGCGGGCGACTGCTGGCGAGGCGCGTGGGACC
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CAAAGGAGGGGTTATACCAGTATAAGAACATTTGTCAACAGGTGAACATAAAATCTCTGGAGGATGTTGTT
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TATAGAGGATCTAGATAATATTCAAACTCCTGAGAGTGTTCTCCTAAGTGCTGTAAGTGGTGAAGACACTC
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CCTCCAATACACGCGTAAGGCTGAATTCCGTAAACTGTGTGACAATTTGAGAATGCACTTATCGCAGATTC
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Table 6
907/3331

AGACTTGTTCAGCTGGACAGTGCTATCAGCATGGAATTGTGGCAGGAAGCATTCAAAGCTGTGGAAGATAT
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TTGGATCTGATTTGAATTATGCTACTCGAGAAGATGCTCCGATTGGTCCTCATTTGCAAAGCATGCCTTCA
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ACCAAGACGTGGGATGGATGATGACCGGGGGCCGAGGCGAGGAGGCGCTGATGATGAGCGATCATCCTGGC
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CCTCCACTCAGATCAGAACGTGAAGAAGTAAGTTCTTGGAGACGTGCTGATGACAGGAAAGATGACCGGGT
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Table 6
908/3331

CATTAAATGTCTGTGTTTAGTATCAATGAAAATGAACCTAAATATAACAAAGAAAGCATATGTGGCTAGGA
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AA

Table1 5081

NNNAGGTTGGTGTTATAGATGCACTGGTCCTGATAAGGGTCTGGTACGCGGGAGAAGGACAGGAC
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ACCGGCGACCCTATCGCGACACCGCGGCTATCGGTACCTTGTGAAGGCTTTCCGTGCACATCGGGTCACCA
GTGAAAAGTGTGTGCAGAGCCCAACATGAGCTTCATTTCCAAGCTGCCACCTATCTCTGCCTCCTGCGTAG
CATCCGGAAACATGTGGCCCTACATCAGGAATTTCATGGCAAGGGTGAGCGCTCGGTGGAGGAGTCTGCTG
GCTGTGGTGGGTCTCAAGTGGCCCCATCAGCCTGGAGGGAAGGGCTGGGAGCCATGAACATGGAGAATATC
CTTTGGATTGCTGGCATTCATAGGAGAATGCGAATAATTTCTATCAACTATGTATTTATCATTAAAATTTT
TTTTAAGTTAACCTACAAACAAAACACAACAAACAAAAAAAAAACTTTTGTGGGCCGGCCTTGGGCCTTCA
GAAAAGGGTTTTTTAACCCACTCGTGTTGGCGCGGCCGGGGCCCCACGGTGGGTATAGCAGCACCCGTGGG
CCACGCGGGTCCCAAGGAGACCCGGGCACACGCCATGGGGTGTGGTTCCCACAAATAAAAAACCGCGGGGC
ACCGGGGGTCTGGACAACTCCCGTGGGCCGGGCCTAGCGGGTTATAACGGGCCAAGAGCTATAAGCGCACA
ANNN

Table1 5082

NNATTGGGGGCACTTTTATTTACAGCCAAGGAAAAAAGAAAACTACCTTCTATTTAAAATGGGAA
AGCTTGTTTGTATGAAAACAAATATTTCATCATCACTTATTTTCTATACTGTTGGCAACTAAGTTTTACAT
TTTTCATTTTCAACAGAGATTTGAATTTTAATGTCCCAGAAATATAAAGAAGATGGCTTTAAAATGTCCTA
TATGTTGGCAGTCCTACCCTGAAAACTTTTTTGGCTTATCTTTGGTTCTGAGCTACAGTCTTCGCAGAGAC
TAAATTAGTGACTGGCCACCATAAAAAAATTGCCCCTCCTGGCNNNNN

Table1 5083

NGGAAACATAGGAGTGAATGATTCCCCTGTTATTGATGGGAGACAACCTTTGATTTTTTTCTCCT
ACCCATTGGATCCTCATTTAAAAAAAAAATCTTTGTTTTTCTCCTTCTCCCCAGAGGCAAACTATGCAAGA
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TTGACAAGTT

Table1 5084

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GGCCATGGCCCAATCTGGGGATGCAGTCAGTGTCAAGATTGAAGAAGAAAACCAAGATTTAATGCATTTTA
ACCTTCAAAAGAAAAGAGCTAAAGGAAAAGGGCAAGTTAAAGAGGAAGACAACAGTAATCAGAAACAGCTG
AAAAGACCTGCCCAAGGCAAACGCCAGAATCCAAGGGGAACAGATATTTACTTACCGTATACTCCTCCTTC

Table 6
909/3331

CTCAGAAAGCTGCCATGATGGTTATCAGCATCAAGAAAAAATGAGACAGAAGATCAAAGAGGTGGAGGAAA
AACAACCAGAAGTCAAAACAGGATTTATTGCTTCTTTCTTTAGATTTTCTGAAATCCGGGCCCAAGCAGCAG
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CATCAGATAAAGTTGATAATGAACTTAAAAACTTGGAACATTTATCTTCATTTTCTTCTGATGAAGATGAT
CCTGGATATAGTCAAGATGCTTATAAAAGCGTCTCTACTCCCTTAACTACTTTGGATGCTACTTCTGANN
Table1 5086
CGACCCACGCGTCCGGTCAGTTTGATAAAACATGGTGGAGACAGCGGCTGAAATGGAAGCATATG
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GGCTAGACTGGAAGCTTTACTAGAAGCTGCAGGAATAGGAAAATTGTCCACGGCTGATGGTAAAGCCTTTG
CAGATCCTGAAGTACTTCGGAGGTTGACATCGTCTGTTAGTTGTGCGTTGGATGAAGCTGCTGCTGCACTT
ACCCGTATGAGAGCTGAAAGCACAGCAAATGCAGGGCAGTCGGACAACCGCAGTTTGGCAGAAGCCTGTTC
AGAAGGAGATGTAAATGCTGTGCGAAAGTTACTCATTGAAGGGCGAAGTGTAAATGAACACACAGAGGAAG
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GTTACAAAGGACACTTAGAGATGGTGCGATTTCTTTTGGAAGCAGGCGCGGATCAAGAGCATAAAACAGAT
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GCGAATGTGAATAGAACCACAGCTAATAATGACCATACTGTACTGTCCCTGGCTTGTGCAGGGGGTCATCT
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CCTCGCGGGCGACGCGAACTATAAACCAATCAAAACACAAAGAAACCTGCTCTGAACGCTATCTCAGCANN
N
Table1 5087
NGCCCACCACACTGTCGGGAACATAGGTACGGCGCGGGTTAATCGGACGAGGCAGGATCCATCCA
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ACACAGTGTTCCTCTACTCAGAAGTGCCTGTCCCCACTTCTCTGCCCTGCAGTCTGTCATCTGGTACGATC
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AACGAAAGCCGCCTCCCAAGAAGAAGATGACAGGCACCCTCGAGACCCAGTTCACCTGCCCCTTCTGCAAC

Table 6
910/3331

CACGAGAAATCCTGTGATGTGAAAATGGACCGTGCCCGCAACACCGGAGTCATCTCTTGTACCGTGTGCCT
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GCGAGGCGGCCAATCAGTAGCGACACAGAGGACCCGCCCCCTGAGCAGCCCCGCGTACTGTGGATCCAGCT
GTTCGGTTCTGGTCCAGAGACATTCCAGGGGTCCAGGGTGTGGGTCCTGGGCTGTCACAGCCGTGTGTGTG
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GCCCCTGGCCCCCCAGCCTTGGGGCTCTGGCTCCCCCCGGCGGAATTGGGGGACTGTTTCCTGACATCCTG
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NN
Table1 5092
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ANN
Table1 5094
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Table1 5095
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Table1 5096
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WO 2005/027969 PCT/US2004/029369

Table1 5098

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Table1 5099

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Table1 5100

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Table1 5101
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Table1 5102
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Table1 5104
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Table 6
914/3331

TGACATTGCAAATAATCAAACTCTGAGCGCTGCGCTGGCGGCAAAGGCAGTAGCTTCACTAATCCCAAACA
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ACTCc
Table1 5105
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Table1 5111
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Table1 5112

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Table1 5115

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Table1 5116
NGCNCGTNTCGTTAGCCCGTCCCGGTCCGGAATTCCCCGGTCGTCCCTCGCGGCCGGACAACTTT
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Table1 5118
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AAACAGACAACAAAGAAGACAGGAGAAGAAACAGACAGGAGTCGAACAGACAAAACACCAAAACCAAAAAA
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Table 6
917/3331

AAACAAACAGAACAGAACGACAGCAAAGCGAACAAAGCCCGCACACAAAAAGGAAAACCCACAGCGAAAAA
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Table1 5119
agacgctgtgGACACGCTTGTCCCAGACCTGGGCGCCCTCCTGCCGGGAGCCAGGACTGGCCGCA
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TCTTAGGATGTATCCCCTCAAACCTACCTGGTGGTTCTGTGCCTTCCCCTACTCTCTTCTCATCTTCGTAT
ATGACGAAGTCAGAAAACTCATCATCAGGCGACGCCCTGGCGGCTGGGTGGAGAAGGAAACCTACTATTAG
CCCCCCGTCCTGCACGCCGTGGAGCATCAGGCCACACACTCTGCATCCGACACCCACCCCCTCTTTGTGTA
CTTCAGTCTTGGAGTTTGGAACTCTACCCTGGTAGGAAAGCACCGCAGCATGTGGGGAAGCAAGACGTCCT
GGAATGAAGCATGTAGCTCTATGGGGGGAGGGGGGAGGGCTGCCTGAAAACCATCCATCTGTGGAAATGAC
AGCGGGGAAGGTTTTTATGTGCCTTTTTGTTTTTGTAAAAAAGGAACACCCGGAAAGACTGAAAGAATACA
TTTTATATCTGGATTTTTCCATTATAATAGCCATCTTTATTTGTAAAAATCCAGATATAAAATGTATTCTT
TCAGTCTTTCCGGGTGTTCCTTTTTTTACAAAAACAAAAAGGCACATAAAAACCTTCCCCGCTGTCATTTCC
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TGCTTCCCCACATGCTGCGGTGCTTTCCTACCAGGGTAGAGTTCCAAACTCCAAGACTGAAGTACACAAAG
AGGGGGTGGGTGTCGGATGCAGAGTGTGTGGCCTGATGCTCCACGGCGTGCAGGACGGGGGGCTAATAGTA
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TGAGAAGAGAGTAGGGGAAGGCACAGAACCACCAGGTAGGTTTGAGGGGATACATCCTAAGAGGCCAAATA
TCAAGATCTTGTTCTTCATCCCCTGCTGGAAGACCGAATTCCTCCTGGTCTTACAGATGACCAAGTCGGCC

Table 6
918/3331

CACTGCACCACCACGATACTGACGAAGAAGGCTGTGTGGCAGGTGAACTCCACGATTTTCCTCTGCTCATA
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caccc
Table1 5120
NNNCACGAGGTATTCCAGTGAAACCGACCGCCTGGGAGGTGTGGCTTATTCAGTCGCTTTATTAA
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ATGCATCANNNN
Table1 5121
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Table 6
919/3331

GGAAGACCTCCTCTGCGGTGCCACCGACGGGAAGAAGCGCTATGACCTGTCCGCGCTGGTCCGCCATGCAG
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CAGGCTGAACAGCCACCCCATCTTTTCTCTCAACTGGGAGTGTGTGGTCAGTTTCCTGTGGAACACAGAGG
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Table 6
920/3331

TTGTCTGCCCTCCAAAGAAGTTGGAGTGCAAATTCGTCCAGAAACACAAAACCTACGACCTGCGGCTGCTC
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TATCCGTGTGGTGGAAATAAGACCGCATCCTCCGTGATAGAATTGACCTGTACAAAGACGGTGGGCAGACC
TGCATTCAAGAGGTTTGATATCGACAGCTGCACTTACTACTTCAGCTGGGACTCCCGGGCTGCCTGCGCCG
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GGAGATATTTATTTTAAGCTGTTCAGAGCCTCTGGGGACATGAGGACCAATGGGGACAACTACCTGTATGA
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CCAACGATCAGCACTTCAGTCGGAAAGTTGGAACCTCTGACAAGACCAAGTACTACCTTCAAGACGGCGAT
CTCGATGTCGTGTTTGCCTCTTCCTCTAAGTGCGGAAAGGATAAGACCAAGTCTGTTTCTTCCACCATCTT
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Table1 5122

NNNNNCGCGCGCGAACGTGTAAGTGCCAGGGTCTCAGGGTCAGGTCGCGGCTGGTCACTGTGCAG
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Table 6
921/3331

TTTTAATGTATTAACTCATACTGCCTGTCTTTTATAGGGGAAAAAAATAACCTTTTTTATTTTAAAGTTAT
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CCAGN
Table1 5123
NNNNNNNNNNGGGTCTCCCATACTGCGTATAGATGAATGGGTCAGGATATCTGGAACAAAATATG
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GGAGGAGGAGGATGATCACATGGAGTACTGCCGCGTATGCAAGGACGGCGGGGAGCTCCTGTGCTGTGACG
CGTGCATCTCCTCCTACCACATTCATTGTCTAAACCCTCCCCTGCCTGACATTCCCAATGGTGAATGGCTG
TGTCCCCGATGCACATGCCCCGTGCTGAAGGGTCGAGTGCAGAAGATCCTACATTGGCGGTGGGGGGAGCC
ACCTGTAGCAGTGCCAGCCCCTCAACAGGCAGATGGAAATCCAGATGTCCCACCCCCCCCGTCCTCTTCAAG
GCAGATCAGAGCGAGAGTTCTTTGTCAAGTGGGTAGGACTATCCTACTGGCACTGCTCCTGGGCCAAGGAG
CTTCAGCTGGAAATCTTCCATTTGGTTATGTATCGAAACTACCAGCGGAAGAATGACATGGATGAGCCCCC
ACCCCTGGACTATGGCTCCGGCGAGGATGATGGGAAGAGCGACAAGCGTAAAGTGAAAGACCCGCACTATG
CTGAGATGGAGGAGAAGTACTATCGTTTTGGCATCAAGCCAGAGTGGATGACCGTCCACCGCATCATCAAC
CACAGTGTGGATAAAAAGGGGAATTACCACTATCTAGTAAAATGGAGGGACTTACCATATGACCAGTCCAC
GTGGGAGGAAGATGAAATGAATATCCCTGAATACGAAGAACATAAGCAAAGCTACTGGAGACACCGAGAAC
TAATTATGGGGGAAGACCCTGCCCAGCCCCGCAAGTATAAGAAGAAGAAGAAGGAGCTACAGGGTGATGGG
CCTCCCAGTTCTCCCACTAATGATCCTACCGTGAAATATGAGACTCAGCCACGGTTTATCACAGCCACTGG
AGGCACCCTGCACATGTATCAGTTGGAAGGGCTGAACTGGCTACGCTTCTCCTGGGCCCAGGGCACTGACA
CCATTCTAGCTGATGAGATGGGGCTAGGCAAGACCATACAAACCATCGTCTTCCTCTACTCACTCTACAAG
GAGGGCCACACAAAAGGTCCCTTCCTGGTGAGTGCCCCACTCTCTACCATCATTAACTGGGAGCGGGAGTT
CCAGATGTGGGCACCCAAATTCTATGTGGTGACATACACGGGTGACAAGGACAGCCGGGCCATCATTCGTG
AGAATGAATTCTCCTTTGAGGACAATGCCATCAAAGGGGGCAAGAAAGCTTTTAAGATGAAAAGGGAGGCA
CAGGTGAAGTTCCATGTTCTCCTGACATCGTATGAGCTGATCACCATTGATCAGGCAGCACTTGGTTCCAT
CCGCTGGGCCTGTCTTGTGGTAGATGAGGCCCATCGACTCAAGAACAACCAGTCCAAGTTTTTCAGGGTTC
TCAATGGTTACAAGATAGATCATAAGTTGCTGCTGACAGGAACCCCATTGCAGAATAATCTGGAGGAGCTC
TTCCATCTCCTGAACTTCCTCACCCCAGAGAGATTTAACAACTTGGAGGGCTTCCTGGAGGAGTTTGCTGA
CATATCCAAAGAGGACCAGATCAAGAAACTGCATGATTTGCTGGGGCCACACATGCTGCGGAGACTCAAGG
CAGATGTCTTTAAGAACATGCCAGCCAAGACAGAGCTCATCGTTCGGGTGGAGCTAAGCCCCATGCAGAAG
AAATACTACAAATACATCCTGACTCGAAATTTTGAGGCCTTGAATTCACGAGGTGGTGGGAACCAGGTGTC
GCTGCTTAATATCATGATGGATCTTAAGAAGTGCTGCAACCATCCATACCTTTTTCCCGTGGCTGCTATGG
AGTCCCCCAAACTCCCCAGTGGGGCTTATGAGGGTGGGGCACTTATTAAGTCGTCTGGGAAGCTCATGCTG
CTCCAGAAGATGCTGCGAAAGCTGAAGGAGCAAGGACACCGAGTGCTCATCTTCTCGCAGATGACCAAAAT
GTTAGACTTGCTTGAGGACTTCTTAGACTATGAAGGCTACAAGTATGAGCGCATCGATGGTGGTATCACGG
GTGCCCTGAGGCAGGAGGCCATCGATCGGTTTAATGCTCCTGGGGCCCAACAATTCTGCTTCCTCCTGTCC
ACCCGAGCTGGGGGCCTGGGCATCAATCTGGCCACTGCTGACACTGTCATCATCTTTGATTCTGACTGGAA
CCCCCATAATGACATCCAGGCCTTTAGCCGGGCTCATCGGATTGGCCAGGCCAACAAAGTGATGATTTACC

Table 6

GGTTTGTGACTCGCGCGTCAGTGGAAGAGCGAATCACACAAGTGGCCAAGAGAAAGATGATGCTGACACAC
CTGGTTGTGCGGCCTGGGCTGGGCTCCAAGGCAGGCTCCATGTCCAAGCAGGAGCTTGACGACATTCTCAA
ATTTGGCACTGAAGAGCTATTCAAGGATGAAAACGAGGGGGAGAACAAGGAGGAGGACAGCAGTGTGATTC
ATTATGACAATGAGGCCATCGCTCGGCTGTTGGACCGGAACCAGGATGCAACTGAGGACACTGACGTGCAG
AACATGAATGAGTATCTCAGCTCCTTCAAGGTGGCACAGTACGTCGTGCGGGAAGAAGACAAGATTGAGGA
AATTGAGCGAGAGATCATCAAGCAGGAGGAGAATGTGGACCCTGACTACTGGGAGAAGCTGCTGAGGCATC
ACTATGAGCAACAGCAGGAAGACCTAGCCCGGAATCTAGGCAAGGGCAAGCGGGTTCGCAAGCAAGTTAAC
TACAATGATGCTGCTCAGGAAGACCAAGACAACCAGTCAGAGTACTCGGTGGGTTCAGAGGAGGAGGATGA
AGACTTCGATGAACGTCCTGAAGGGCGTAGACAGTCAAAGAGGCAGCTCCGGAATGAGAAAGATAAGCCAC
TGCCTCCACTGCTGGCCCGAGTCGGGGGCAACATTGAGGTGCTGGGCTTCAACACCCGTCAGCGGAAGGCT
TTCCTCAATGCTGTGATGCGCTGGGGGATGCCACCACAGGATGCCTTCACCACACAGTGGCTGGTGCGGGA
CCTGAGGGGCAAGACTGAGAAGGAGTTTAAGGCCTATGTGTCTTTGTTCATGCGCCATCTGTGTGAGCCTG
GGGCAGACGGCTCTGAAACCTTTGCCGATGGGGTCCCTCGGGAGGGACTGAGTCGCCAGCAGGTGTTGACC
CGCATTGGAGTCATGTCTCTCGTCAAAAAGAAGGTGCAGGAGTTTGAGCACATCAATGGGCGTTGGTCAAT
GCCGGAACTGATGCCTGACCCCAGCGCCGATTCTAAGCGCTCCTCCAGAGCCTCCTCTCCTACCAAAACGT
CTCCCACCACTCCTGAGGCTTCTGCTACCAACAGTCCCTGCACCTCTAAACCTGCTACTCCAGCTCCAAGT
GAGAAAGGAGAAGGCATAAGGACACCTCTTGAGAAGGAGGAAGCTGAAAACCAGGAGGAAAAGCCAGAGAA
GAACAGCAGAATTGGGGAGAAGATGGAGACAGAGGCTGATGCCCCCAGCCCAGCCCCATCACTTGGGGAGC
GGCTGGAGCCAAGGAAGATTCCTCTAGAGGATGAGGTGCCAGGGGTGCCTGGAGAGATGGAGCCTGAACCT
GGGTACCGTGGGGACAGAGAGAAGTCAGAAGATGTAAAAGGTGACCGGGAGCTTCGACCAGGGCCTCGAGA
TGAGCCACGGTCCAATGGGCGACGAGAGGAAAAGACAGAGAAGCCCCGGTTCATGTTCAATATCGCCGATG
GTGGCTTCACAGAGCTTCACACACTGTGGCAGAATGAGGAACGGGCAGCTATTTCCTCGGGGAAACTCAAT
GAGATCTGGCACAGAAGACATGACTATTGGCTTCTGGCTGGGATTGTCCTCCATGGCTATGCACGGTGGCA
GGACATCCAGAATGATGCTCAATTTGCCATTATCAACGAGCCATTTAAAACTGAAGCCAATAAGGGGAACT
TTCTGGAGATGAAAAATAAGTTCCTGGCCCGGAGGTTCAAGCTCCTGGAGCAGGCGCTGGTGATTGAGGAG
CAGCTGCGGCGGGCGGCCTACCTGAACCTGTCGCAGGAGCCGGCGCACCCCGCCATGGCCCTCCACGCCCG
CTTCGCCGAGGCCGAGTGCCTGGCCGAGAGCCACCAGCACCTCTCCAAGGAGTCGCTGGCGGGGAACAAGC
CGGCCAACGCCGTCCTGCACAAGGTTCTGAACCAGCTGGAGGAGTTGCTGAGCGACATGAAGGCGGACGTG
ACCCGCCTGCCAGCCACGCTGTCCCGAATACCCCCCATCGCAGCCCGCCTTCAGATGTCCGAGCGCAGCAT
CCTCAGCCGGCTGGCCAGCAAGGGCACGGAGCCTCACCCCACACCGGCCTACCCGCCGGGTCCCTACGCTA
CACCTCCGGGGTACGGGGCGGCCTTCAGCGCCGCACCCGTAGGGGCCCTGGCCGCCGCAGGCGCCAATTAC
AGCCAGATGCCTGCAGGGTCCTTCATCACAGCCGCCACCAACGGCCCAATTCACCGATTTTTTAAAAAAGT
TCCAGAAATCCAGTGACGAATGTGGTATACAAAAAAATATATAAATTCTTTCAACTTAGAATAATTAAGTC
ATAAAATACATAGGGTACAAATACCACATTCCGTTCTAAAATGATATCTTAGGATCATCAAAAGAAAAAGA
GGATTTGGATTATGCAAAAAATGATTCCTATATATATAATCAATTATCTAACTGACATTTTTGCAAATCTA
CCACAACTTCGCCTTTTATTGCATATGCTAAACAAGCAGATGCTAAGTCTGTAAACTGTGAATTAACCTCC
TTTTTAATTAATTGTTCN

Table1 5125

NNATTGGGGGCACTTTTATTTACAGCCAAGGAAAAAAGAAAACTACCTTCTATTTAAAATGGGAA
AGCTTGTTTGTATGAAAACAAATATTTCATCATCACTTATTTTCTATACTGTTGGCAACTAAGTTTTACAT
TTTTCATTTTCAACAGAGATTTGAATTTTAATGTCCCAGAAATATAAAGAAGATGGCTTTAAAATGTCCTA
TATGTTGGCAGTCCTACCCTGAAAACTTTTTTGGCTTATCTTTGGTTCTGAGCTACAGTCTTCGCAGAGAC
TAAATTAGTGACTGGCCACCATAAAAAAATTGCCCCTCCTGGCNNNNN

Table1 5127

NATGAGCGGGCGCAGTGATTATAGGCTTTCGCTCTAAGATTAAAAATGCCCTAGCCCACTTCTTA
CCACAAGGCACACCNNGCACCCCTTATCCCCATACTAGTTATTATCGAAACCATCAGCCTACTCATTCAAC
CAATAGCCCTGGCCGTACCTGCCCGGGCGGCCGAGGTACGCGGGTCAACTTCACCTCGGCAACAATTACTT
ACCTGGCCCAGGAGGATGGGCCCGTTGTGATTGGCTCTACCAGTGCACCTGGACAGGGAGGAATCCTGGCT
CAGCGGGAGTTTGACAGGCGATTCTCCCCTCATTTTCTGGACTGGGCAGCCTTTGGGGTCATGACCCTTCC
CTCCATCGGCATCCCCCTGCTATTGTGGT

Table1 5129

ACTTGCACATTTCTGGACTACAAAGGCATTTCTTCCTGCAATGACGAAGAATAACCATGGCCATA
TTGTCACTGTGGCTTCGGCAGCTGGACATGTCTCGGTCCCCTTCTTACTGGCTTACTGTTCAAGCAAGTTT
GCTGCTGTTGGATTTCATAAAACTTTGACAGATGAACTGGCTGCCTTACAAATAACTGGAGTCAAAACAAC
ATGTCTGTGTCCTAATTTCGTAAACACTGGCTTCATCAAAAATCCAAGTACGAGACATTGCTCACCTACAG
TGACGTCGTGGGCGCGGATGTGCTGGACGAGGTGGTGACTGTGCTCAGTGACACTGCGTGGGACGCAGAGC
TTGCAATGGTGAGAGAGCAGCGCAACCGTCTGTGTGACCTTCTGGGCGTACCTGCCCNNNN

Table1 5132

CGCGGCGGCGGCCGAGGTACATATAATTTGCCTGGCCGGGCACGGTGGCTCACGCTTGTAATCCC
AGCACTTTAGGAGGCCGAGGTGGGCGGATAACGAGGTCACAAGTTCTAGACCAGCGTTGCCTACCAAGTTT
AGCAATTCCGGGAATGCCAACTGTCCTTACAGTCACTCTCGTATTTGCTTAGCTATGAGAATAATTTGGGG
CTAACTTCACCAAAAAAGAAAAACAGGCGAGAACGTCACTCTAGTAACAATAAAAGCCACTGGATTTTGCT
TTCATCAAATGTGGCACCTTGTGAACCACCTTTCTTAAAAGTATTTATTTTAACCTTTAAAAATTTCTGCC

Table 6
923/3331

AAGTAGAGCTTTCTTCTTTTACACTGAGCAACCCACTTCAGTGCCAGCAGCCTACGGGCACAGAAGCCAGG
CAATGGTTCTGGGACACAGNNNN
Table1 5133
NNNNNNGAACAAAGGTCTGTGTGGTTGTCTTCACGGGCAATCAGGAAGGGAGAGAGCTGGGGACC
ATATTCTGCAATGCAGCCAAATCCGAGGAAGAGAAACTGAAGGGAGAAGTAGATGGCAATGGTTATGATAA
AAAGGGATAAAACTAAATCTTCGGGACTTCTTTAAGTGCTACGTTAATGTTTCACTGCTCGTCTAGAAACT
CCTAAATCCAGCTTTCTATCATCTGCCCCACATTGGTCCCATTGAGTACATTCTGTGATTTCTAATTCCAG
CCTCTCCATTCTTTTCTCATTATTGCCTCCCCCGCCCCCCAACTTTGTGTAATTTACTTCTGTATTCAGCA
GCCTGGATAGCATATCATTCCATCACCCCATTTTCTTGCCACCATTGGCCATCTTTTTGTATCATTCCACT
TATTCTGTCTTTTCCATTCCTTCATTCAAACTGCTAGAGAAAAACAGTTGTGTAATGAATGCCACTAAATA
TTCAAGGCCTCCAACCTCAGCCAAGTCCTCACACCAACACGCAGTCACACCAACACACACCTTTATGGGTT
CCTGGTCCATTTCCTTCTCTAATTACCATGGCAGTTATTTTACACCTCTACTGCTGTCCTTAATCCCATAC
CCCACCCTCATCAGGTGACCCTGTTTCCTTTTTTAGAGAAATTGAAGCTCTTAGACATTGGTTTCCACAGT
AATAATTTTAAAACTTCTTACAACTACCTACAAAGCAGATGTTCTATCCTATCTACAGAGCAGAAAATTGA
AATTCTCAAGTAGCAGACCCGGTATTAAAGTGCAGATCTGACTTTAAAGTCCATGTTCATTTTACACAGCA
GGCTGCCTCTTAAGATAGTATTTATTGAGCACACACTTTGTGTAGGTTCTGATTTTGGTAGATGTCATGCT
TTATATTAATCTTTACAACAACTATAAGTAAGAGGTATTAACCTCACTTAACAGATGAGGAAGCAAGAATC
CAGAATGTGCCAGAAGGCACATTCTGCAGATTTCGTGCAAACATTTATACACAGCTTCTTTTTTTTTTTTT
TGAGACAGAGTCTCGCTCTGTCACCCAGGCTGGAGTGCAGTGGAGCGATCTAGGCTCACTGCAACCTCCGC
CACCCGGGTTCAAGCAGTTCTCCTGCCTCAGCCTCTCGAGTAGCTGGGATTACAGGCATGCGCCACCACGC
CCAGCTAATTTTGTTTTTGTATTTTAAGTAGAGACGGGGTTTCACTATATTGGTCAGGCTGGTCTTGAACT
CCTGACCTTGTGATCCGCCCGCCTCGGCCTCCAAAAGTGCTGGGATTACAGGTGTGAGCCACCACGGCCGG
CCTATACAAAGTTTCTTATTGAGAAAAGTGGTTCCAATCATGTTTTTTGCCCCCTTTAGCTGCTATCTCTT
GAACAGAAAAGTTTGTTAGGAAGGTAAAAGTTGCTGACTAGGACCTTACCCACAGGGTGGCACTCTGTCCT
TGGGAAATATAAATGCAAGTAAAACAGGTTTGAACTTCTTAACTTCCAGAAGATAGGAGGATGGGACCTGT
GATACTGTGCTGCTGGTGGGAGGACCCTTCCACATCAACATTTGTGTGTATCCTTGCAATAAACTTCCATT
GTGAATTAAAAAAAAAANNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Table1 5134
GCGTCCGGGAGCGGTGGAGGGCGTCACTGGGTTTCGGCGTCTGGCAAGCGGTTCAGCTGTCTGCT
CCCTAGCAGCCGGCCTTCGGGTCGGGCGTCTCCGCCGGCTACTGCCGCTTCAGTTCTCCCGGTGTGGCCAC
GAGTCGGTAGCCATCCTAATGGATATGGGTTGGTTCCTGTTTTCTATTTGGAACTTTAAAAAAAATTAAAG
CAGGTTGCACTGCTGTGATCCATCCTCATCTCCTAAAGATGCATCCTGACTTATCTCCACACTTGCACACT
GAAGAATGCAACGTCTTGATTAACTTGCTTAAGGAATGTCACAAAAATCACAACATTCTGAAATTTTTTGG
TTATTGTAATGATGTTGATCGGGAGTTGAGAAAATGCCTGAAGAATGAGTACGTAGAAAACAGGACCAAGA
GCAGGGAGCATGGCATTGCAATGCGAAAGAAACTTTTTAATCCTCCAGAGGAATCCGAAAAATAAATTGTA
TTTTCACTCGATGCCTTGGCTGAGAGAAGACCTAAAGACTCTGGGTTGATACCNNNN
Table1 5135
NAGCCCTTCCCAGGGCTGATGACGCATCTGGCTGACGAGGCTGACTGTCAGCCTCTGGCCTCTCT
CCCAGAGGTGTGCCCTCAGATCAAAGAGGACACCTCCCCCCCTTAAGAGGATTTATTTCCTCGAAGGCACA
GCTTCTATGATCTGTGTTTTTCTTTCTTCCTTTCCCATTCACATTTAATTCCTTGTAGCCGCCAAGTTTTT
GAGAACAAAGCTGTTTAGAAAGCAATGAAGAACCCAACATCCCTGATGTAGTATTCCTGGCCAAAATATTG
ATGTGACTCCTCATCATGAGAACAGACCAATTCACTTTGAGAGAAATACTACAAAATAATGGTCTACAGTC
TTCAAAAAAGTCATTGCCAACTACCTTAC
Table1 5136
GTGGTCGCGGCCGAGGTACCCCATTAACTGTGAATGAATCTGAGCTTGGTTTCCTTTATTGCTTC
CTCTGCAATATGATTGCTGAAACACATTTTAAAAATTCAGAAGCTTGTCACTCCTGTTAATGGGAGGATCA
GTCACACATGTGTAGTACTCTGCTATGGTGCTGGCTTCCTTTAAACTCAGGATAGATGCCAGGTGGGCTCC
GTTTCCGTAAGACTGACACTCGAGCTCGGCATCAGACCAGTTCCTCAGCTTCCTGAAGTAACCATAGCAAT
TGGACTTGTGGTAAAACCATCCAGGAGCACAGCTGGGTCTCATGATGATATCACCCAGGACTCCTGTTTTG
GCCAGGCAGCTCAGCAATAGGAGCAGCCGCATGCTTCTGGAAGCCATCTTCCTCCTACCCTGAGGATGTAG
CTAGTGCAAGGATCTCagAgacctTACTAGCGCttCTTTGAAACTCcaGGGTTCTCCTTGATCTGCAAATC
TGTTTGGCAACCAAGACTCTAAGGGCCCCTGCCTTCTTCAGTGTCTCCAGTCCCCGCGT
Table1 5137
NAGAAGATTTCTAACCAATTGCTATTTATTTGACACTAACAATTAGCTAAATGTGGCTGAATTAT
CTCATGTTAACTCTAAGTCTGTTATTTTGAAAACAGCTAAACTAGTAAGTTCTTCAGTTTCTCAAACTTAA
GCACTTTGTCTTATTTATCGCGGGTAAATTATTGCTGAAAAAAAATTACTTTCCATTTTCATTTGTGATTT
CATGAGGCCACTGACATTTTCATTGTTTTTTTTAGGATGCTGTATCGCTGTAATATTCAACTCTTATCATT
ACATCTTTGCGAGCTCCAATTAAGTTGAACATGTAATTTTATTTTTTGGAAGTAGAATACAGTTATCAAAA
CGTTAATTTCTAAGCATTAGCATTATGCAAGAAAAGAGCTGATAAATGGCAAGGAAGTAATTCATCCATGC
ATTTATTCATGCAATGACCTTTCAACAATTTTCTTTTTTTAATTCTACTCTGGTGCAAGGCCTCACTGATA
ACTTGGGGGAAGATGGCTGACAAAAAAAAAAAAAGAAGGAAAGGGGAAAGGGAAGGGCATGCGGAAGAGGA
AGAGGAAGGGGAAGAGGAAGGGGAAGGAAAGAAAAAAAGAAGGAGGGAGGAAGGGGAAAGGGAAGGACAAG
GGAGGAAGGAAGGGTTATTACAGGAAGATGAACCTGTTAATGGCACACTCAAAGGA

Table 6

Table1 5140

acTTCTAGAATTAATTAACGCGGGGCtacgCCttaggcTGGGGCAGCATTGAACCAGAGGAGTTC
TTGACCCCAAAGAAACTTCAGTGTGTGGACCTCCATGTTATTTCCAATGACGTGTGTGCGCAAGTTCACCC
TCAGAAGGTGACCAAGTTCATGCTGTGTGCTGGACGCTGGACAGGGGGCAAAAGCACCTGCTCGGGTGATT
CTGGGGGCCCACTTGTCTGTAATGGTGTGCTTCAAGGTATCACGTCATGGGGCAGTGAACCATGTGCCCTG
CCCGAAAGGCCTTCCCTGTACACCAAGGTGGTGCATTACCGGAAGTGGATCAAGGACACCATCGTGGCCAA
CCCCTGAGCACCCCTATCAACCCCCTATTGTAGTAAACTTGGAACCTTGGAAATGACCAGGCCAAGACTCA
AGCCTCCCCAGTTCTACTGACCTTTGTCCTTAGGTGTGAGGTCCAGGGTTGCTAGGAAAAGAAATCAGCAG
ACACAGGTGTAGACCAGAGTGTTTCTTAAATGGTGTAATTTTGTCCTCTCTGTGTCCTGGGGAATACTGGC
CATGCCTGGAGACATATCACTCAATTTCTCTGAGGACACAGATAGGATGGGGTGTCCGTGTTATTTGTGGG
GTACAGAGATGAAAGGGGGGTGGGATCCACACTGAGAGAGTGGAGAGTGACATGTGCTGGACACTGTCCAT
GAAGCACTGAGCAGAAGCTGGAGGCACAACGCACCAGACACTCACAGCAAGGATGGAGCTGAAAACATAAC
CCACTCTGTCCTGGAGGCACTGGGAAGCCTAGAGAAGGCTGTGAACCAAGGGGGGAGGGTCTTCCTTTGGC
ATGGGATGGGGATGAAGTAAGGAGAGGGACTGGACCCCCTGGAAGCTGATTCACTATGGGGGGAGGTGTAT
TGAAGTCCTCCAGACAACCCTCAGATTTGATGATTTCCTAGTAGAACTCACAGAAATAAAGAGCTGTTATA
CTGTGGTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAaaccgGCCCC
CCCCCGGGGGGAACCCcaaatcCCCcttaaaggaatttttttaccCCCCCcactggcccttTTTtTAAAa
acttgggaagggaAAAaaccgggggttccccaaataaaatcccttgaaAaAaaatcCCCTTtttgcaagtg
ggaaaaaaacaaaaaagccccccccccaaccccctttccaaaaatttgccccccccgaatgggcaaataaaaa
atgaacccgtaaatttttgttaaaattcccctaaaatttttgaaaaaaccccc

Table1 5142

CAAGGGTGTCGCCCCGCGTCCGCACTGGACTTGTAAACGAAAAGCTTCATAAGTCCCTCTTTGCT
TAGTACTTTTCTCGTCCTTTCCCCAGGGTGCACGTAACCCTCAAGCACTAGGACCGTGCGGAATCCAGGCT
GCGATGGCACCTTCATTTACCGCCCGCATTCAGTTGTTCCTCTTGCGGGCGCTAGGCTTTCTCATAGGCTT
AGTAGGCCGAGCAGCTTTAGTCTTAGGGGGTCCAAAGTTTGCCTCAAAGACCCCTCGGCCGGTGACTGAAC
CATTGCTTCTGCTTTCGGGGATGCAGCTGGCCAAGCTGATCCGACAGAGAAAGGTGAAATGTATAGATGTT
GTTCAGGCTTATATCAACAGAATCAAGGACGTGAACCCAATGATCAATGGAATTGTCAAGTACAGGTTTGA
GGAAGCGATGAAGGAGGCTCATGCTGTAGATCAAAAGCTTGCAGAGAAGCAGGAAGATGAAGCCACCCTGG
AAAATAAATGGCCCTTCCTTGGGGTTCCTTTGACAGTCAAGGAAGCTTTCCAGCTACAAGGAATGCCCAAT
TCTTCTGGACTCATGAACCGTCGTGATGCCATTGCCAAAACAGATGCCACTGTGGTGGCATTACTGAAGGG
AGCTGGTGCCATTCCTCTTGGCATAACCAACTGTAGTGAGTTGTGTATGTGGTATGAATCCAGTAACAAGA
TCTATGGCCGATCAAACAACCCATATGATTTACAGCATATTGTAGGTGGAAGTTCTGGTGGTGAGGGCTGC
ACACTGGCAGCTGCCTGCTCAGTTATTGGTGTGGGCTCTGATATTGGTGGTAGCATTCGAATGCCTGCTTT
CTTCAATGGTATATTTGGACACAAGCCTTCTCCAGGTGTGGTTCCCAACAAAGGTCAGTTTCCCTTGGCTG
TGGGAGCCCAGGAGTTGTTTCTGTGCACTGGTCCTATGTGCCGCTATGCTGAAGACCTGGCCCCCATGTTG
AAGGTCATGGCAGGACCTGGGATCAAAAGGTTAAAACTAGACACAAAGGTACATTTAAAAGACTTAAAATT
TTACTGGATGGAACATGATGGAGGCTCATTTTTAATGTCCAAAGTGGACCAAGATCTCATTATGACTCAGA
AAAAGGTTGTGGTTCACCTTGAAACTATTCTAGGAGCCTCAGTTCAACATGTTAAACTGAAGAAAATGAAG
TACTCTTTTCAGTTGTGGATCGCAATGATGTCAGCAAAGGGACATGATGGGAAGGAACCTGTGAAATTTGT
AGATTTGCTTGGTGACCATGGGAAACATGTCAGTCCTCTGTGGGAGTTGATCAAATGGTGCCTGGGTCTGT
CAGTGTACACCATCCCTTCCATTGGACTGGCTTTGTTGGAAGAAAAGCTCAGATATAGCAATGAGAAATAC
CAAAAGTTTAAGGCAGTGGAAGAAAGCCTGCGTAAAGAGCTGGTGGATATGCTAGGTGATGATGGTGTGTT
CTTATATCCCTCACATCCCACAGTGGCACCTAAGCATCATGTCCCTCTAACACGGCCCTTCAACTTTGCTT
ACACAGGTGTCTTCAGTGCCCTGGGTTTGCCTGTGACCCAATGCCCACTGGGACTGAATGCCAAAGGACTC
CCTTTAGGCATCCAGGTTGTGGCTGGACCCTTTAATGATCATCTGACCCTGGCTGTGGCCCAGTACTTGGA
GAAAACTTTTGGGGGCTGGGTCTGTCCAGGAAAGTTTTAGGAGGACCTTCTGCAAGGTTAATGTGTGTGTG
TGTTTGTGTTCGTGTGGTGGTGTTTCTATTAATTGGGTGAAACCAAGCACCAGCAGACAAGCAGAGAAACA
ACTGGGGAATTTATTGACTCATTTAGTTATTCTTTCTACTTTTATTTCCTTCTCTAACTGTTGGTCTTACT
AAAATGGTAATATTTGCTTCTTGCTTTTATGTTACTGGAAAATTAGGACATGTAAATGGATAAGTGCAATA
AAGTTTCCTAAATGCTTGAAAANNNNNNNNNNNNNNN

Table1 5144

ACTGAAGAAGAGATGCTGTGGTTGAGATTTGTTTTCCTCTCTCCTGGGTTTTAGATCTTAATTCT
CGTTCCTTGTTCACACCACTGGTATGCTTTATCCTGGTGTTTTCCAAATGCTCTGATTTGTCAGAGTTGTT
GCCTGTGAATGGGAGGATGGACCAGCTGGGATTAGCCTTTGCGCTGTCCTTGGAAGGAACCATTTTGGGTT
TATTTTTCGTTGCGTCTAGTGCTTTGACCTTCTTGGCATGTTTACTTCCTTTGTAGTGGGCCTCGGCCTGG
CTATCTGAGTTAAAGCGAAGCTGACAGACATTACAAGAAATAACTTGTTTCTTCTTTGGGGGAATGGATAC
TCCAAATGTATGGTTAATAACCGCTTTTTGCACAGGATCCATTGTGTTAAAATTTGGAAAGAGCCCAACAG
CAGAACTACTGTCCACTGGAAAAGACATAAATGGTTTGATATCCAGTGAAGGCTGCATCATCAGGGTAGGT
GTGCGCACAAGAGCAGGAAGGGTAGTAGTGTGGCATGTACTGCCGAGCATCTGCCATGTGCCAAACAACCT
GCTACTTGTTGTGTACACATTGTTGAAGAAGACATAGTCCCTGTTTTCCAAAAGCTTATAGTCTTTGCCAA
GCCTTTGCCATACTTTGCAAGCCTCGTGCCGAATTCTTGGCCTCGAGGGCCAA

Table1 5145

ACGCGGGGAGGCGCTTCCGGAAACCGCGGGAGAGGGTCGCTGACGTGGAGGCGTCCGAAGGGCAG

Table 6
925/3331

CAGGGTGTGTCGGGGCTCGGATTAAGACATCGGAGTCGGAGACCTGAGAGATGTTAACCAAATTCGAGACC
AAGAGCGCGCGGGTCAAAGGGCTCAGCTTTCACCCCAAAAGACCTTGGATCCTGACTAGTTTACATAATGG
GGTCATCCAGTTATGGGACTATCGGATGTGCACTCTCATTGACAAGTTTGATGAACATGATGGTCCAGTGC
GAGGCATTGACTTCCATAGGCAGCAGCCACTGTTCGTCTCTGGAGGAGATGACTATAAGATTAAGGTTTGG
AATTACAAGCTTCGGCGCTGTCTTTTCACATTGCTTGGGCACTTAGATTATATTCGCACCACGTTTTTTCA
TCATGAATATCCCTGGATTCTGAGTGCCTCCGATGATCAGACCATCCGAGTGTGGAACTGGCAATCTAGAA
CCTGTGTTTGTGTGTTAACAGGGCACAACCATTATGTGATGTGTGCTCAGTTCCACCCCACAGAAGACTTG
GTAGTATCAGCCAGCCTGGACCAGACTGTGCGCGTTTGGGATATTTCTGGTCTGAGGAAAAAAAACCTGTC
CCCTGGTGCGGTGGAATCGGATGTGAGAGGAATAACTGGGGTTGATCTATTTGGAACTACAGATGCAGTGG
TGAAGCATGTACTAGAGGGTCACGATCGTGGAGTAAACTGGGCTGCCTTCCACCCCACTATGCCCCTTATT
GTATCTGGGGCAGATGATCGTCAAGTGAAGATCTGGCGCATGAATGAATCAAAGGCATGGGAGGTTGATAC
CTGCCGGGGCCATTACAACAATGTATCTTGTGCCGTCTTCCACCCTCGCCAAGAGTTGATCCTCAGCAATT
CTGAGGACAAGAGTATTCGAGTCTGGGATATGTCTAAGCGGACTGGGGTTCAGACTTTCCGCAGAGACCAT
GATCGTTTCTGGGTCCTAGCTGCTCACCCTAACCTTAACCTCTTTGCAGCAGGCCATGATGGTGGTATGAT
TGTGTTTAAGCTGGAACGGGAACGGCCAGCCTATGCTGTTCATGGCAATATGCTACACTATGTCAAGGACC
GATTCTTACGACAGCTGGATTTCAACAGCTCCAAAGATGTAGCTGTGATGCAGTTGCGGAGTGGTTCCAAG
TTTCCAGTATTCAATATGTCATACAATCCAGCAGAAAATGCAGTCCTGCTTTGTACAAGAGCTAGCAATCT
AGAGAATAGTACCTATGACCTGTACACCATCCCTAAAGATGCTGACTCCCAGAATCCTGATGCGCCTGAAG
GGAAACGATCCTCAGGCCTGACAGCCGTTTGGGTCGCTCGAAATCGGTTTGCTGTCCTAGATCGGATGCAT
TCGCTTCTGATCAAGAATCTGAAGAATGAGATCACCAAAAAGGTACAGGTGCCCAACTGTGATGAGATCTT
CTATGCTGGCACAGGCAATCTCCTGCTTCGAGATGCGGACTCTATCACACTCTTTGACGTACAGCAGAAGC
GGACTCTGGCATCTGTGAAGATTTCTAAAGTGAAATACGTTATCTGGTCAGCAGACATGTCACATGTAGCA
CTACTAGCCAAACACGCCATTGTGATCCTGTAACCGCAAACTGGATGCTTTATGTAACATTCATGAGAACAT
TCGTGTCAAGAGTGGGGCCTGGGATGAGAGTGGGGTATTTATCTATACCACAAGCAACCACATCAAATATG
CTGTCACCACTGGGGACCACGGGATCATTCGAACTCTGGATTTACCCATCTATGTCACACGGGTGAAGGGC
AACAATGTATACTGCCTAGACAGGGAGTGTCGTCCCCGGGTACTCACCATTGATCCCACTGAGTTCAAATT
CAAGCTGGCCCTGATCAACAGAAAATATGATGAGGTACTGCACATGGTGAGGAATGCCAAACTAGTTGGCC
AGTCTATTATTGCTTATCTCCAGAAGAAGGGCTATCCTGAAGTGGCACTGCATTTTGTCAAGGATGAGAAA
ACTCGCTTTAGTCTGGCACTGGAGTGTGGAAACATTGAGATTGCTCTGGAAGCAGCCAAAGCACTGGATGA
CAAGAACTGCTGGGAAAAGCTGGGAGAAGTGGCCCTGCTGCAGGGGAACCACCAGATTGTGGAAATGTGCT
ATCAGCGTACCAAAAACTTTGACAAACTTTCCTTCCTGTATCTTATCACTGGCAACTTAGAAAAACTTCGC
AAGATGATGAAGATTGCTGAGATCAGAAAGGACATGAGTGGCCACTATCAGAATGCCCTATACCTGGGTGA
TGTGTCAGAGCGTGTGCGGATCCTGAAGAACTGTGGACAGAAGTCCCTGGCCTATCTCACAGCTGCTACCC
ATGGCTTAGATGAAGAAGCTGAGAGCCTAAAGGAGACATTTGACCCAGAGAAGGAGACAATCCCAGACATT
GACCCTAATGCCAAGCTGCTCCAGCCACCTGCACCTATCATGCCATTGGATACCAATTGGCCTTTATTGAC
TGTATCCAAAGGATTTTTTGAAGGCACCATTGCCAGCAAAGGGAAGGGAGGAGCACTGGCTGCTGACATTG
ACATTGACACTGTTGGTACAGAGGGCTGGGGAGAGGATGCAGAGCTGCAGTTGGATGAAGATGGGTTTGTG
GAGGCTACAGAAGGTTTGGGGGATGATGCTCTTGGCAAGGGACAGGAAGAAGGAGGTGGCTGGGATGTAGA
AGAAGATCTGGAGCTCCCTCCTGAGCTGGATATATCCCCTGGGGCAGCTGGTGGGGCTGAAGATGGTTTCT
TTGTGCCCCCAACCAAGGGAACAAGTCCAACTCAGATCTGGTGTAATAACTCTCAGCTTCCAGTTGATCAC
ATCCTGGCAGGCTCTTTCGAAACAGCCATGCGGCTCCTTCATGACCAAGTAGGGGTAATCCAGTTTGGCCC
CTACAAGCAACTGTTCCTACAGACATACGCCCGAGGCCGCACAACCTATCAGGCTCTGCCCTGCCTACCCT
CCATGTATGGCTATCCTAATCGCAACTGGAAGGATGCAGGGCTGAAGAATGGTGTACCAGCTGTGGGCCTG
AAGCTTAATGACCTCATCCAACGGTTGCAGCTGTGCTACCAGCTCACCACAGTTGGCAAATTTGAGGAGGC
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AGGCCCAGCAGCTCATCACCATTTGCCGTGAGTACATTGTGGGTTTGTCCGTGGAGACAGAAAGGAAGAAG
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GCAGCCTGTGCACATGATCCTGGTGCTGCGTACAGCCCTCAATCTGTTCTTCAAGCTCAAGAACTTCAAGA
CAGCTGCCACCTTTGCTCGGCGCCTACTAGAACTCGGGCCCAAGCCTGAGGTGGCCCAACAGACCCGAAAA
ATCCTGTCTGCCTGTGAGAAGAATCCCACAGATGCCTACCAGCTCAATTATGACATGCACAACCCCTTTGA
CATTTGTGCTGCATCATATCGGCCCATCTACCGTGGAAAGCCAGTAGAAAAGTGTCCACTCAGTGGGGCCT
GCTATTCCCCTGAGTTCAAAGGTCAAATCTGCAGGGTCACCACAGTGACAGAGATTGGCAAAGATGTGATT
GGTTTAAGGATCAGTCCTCTGCAGTTTCGCTAAGGCCCCCTTTGTGTGCATGGGTCAGTCACCATATGTTC
CCCCCAGAGAATGTGTCTATATCCTCCTTCTAACAGCACCTTCCCCCTGCAGCTACTCTTCAGATCTGGCT
CTCTGTACCCTAAAACCTAGTATCTTTTTCTCTTCTATGGAAAATCCGAAGGTCTAAACTTGACTTTTTTG
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CAAATGAAAACTCTGGGCTGGGTGGAGTGGCTCATACCTGTAATCCCAGgcACTTTGGGGagGCTACGGTG
GGGCAGATCATCTGAGGGCCAGGGAGTTTcgAGACCTggcCTGGCCAACAtGggCAACaccccgttttct
taattaaaaatataaaatttagcctggggcatgggtaggcntgcgcctattag
Table1 5146
NAGTCCACCCACGCGTCCGATGAGGCAAGTCACGTTACACCAAATCAGCAGATCAAAAGACAAAC
ACATATTTCTGAGACTTGAAGGTCCACATGCCCCCGCCCCCTGCACTCCAGCCTTGGTGACAGAGTGAGAC
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TCTGCAGTTGGATTTTTCTCACTGGTGAATGACAAGAAACAGGGATAATTTTGCACTGCGGAGATATTACG
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CCTCCATTCAGGCTTCCTGAAATCTCTGAAGTTGCTGAAATTTGTATATTATTTTCCTTTTCCAATGCAAG
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TCAAAAGACAAACACATATTTCTGAGACTTGAAGGTCCACATCCCCCGCCCCCTGCCAAGATGGAGTCCCC
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GATTCTCGTGCCTCAGCCTCCCGAGTAGCTGGGATTGCAGGCATGCACCACCACGGCTGGCTAATTTTTTG
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Table1 5148

cacgCGTCCGACTGgTTATTTTGGTTTGCTAAAATTATGTCACTTATAATTTTGATTTATATACA
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CAGTGAGCCGAGATTGTGCCACTGCACTCCAGCCTGGGCAACAGAGTGAGACACCGTCTCAAAAAAAAACA
AAAACAAAACAGGTCAAAAATCAGTTGCACAAGTTGTATGAAACCAGGTATTCTGCAGCTCTGTCTCTTGT
TTATTAAGATATGCACAGTTTCTGAATCAACAAATATATCTGTGATTCTTTTATACTACTACATAAAAGAA
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GATTTAGTCCCAGCATGCTTATCCCTGTTTTCTCTTTTTCTCTCCAGCTCCTATCTAGTTCTTCAACAAAT
CCTGTCAACTCTACCTTCCAAATGCCTCTTGAATCCAGCCATCTCACCACCTCCAACACTACCACCATTTT
TCTTAAAGCCACCATCATCTCTTCCCTGGACTATTACAATACCTTCCTAATTATCTCCCTGCCTCTGCTAT
TGATTCTTTAGGGTCCGTTTTCCACACAGTAGCCAAAGCAATTTTTAAAAAAATTATTTTAAAATGTGATT
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AGAGGCAGTCCCCGGCCTCCCCCTTAAAATTACAACCTGTCACTCTCCAATCCTTTCCTCACGATTTTCTC
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TGTAAGCAGGAACTGTATATCACTGCTATACCCTCAGCATTTAAAACAATGGCTGTACCTCCGGGGTGGCG
CTGGGGTTGGCTCCATGACCAAGATCTATGGGGGACGTCAGAGAAACGGCGTCATGCCCAACCACTTCAGC
CGAGGCTCCAAGAGTGTGGCCCGCCGGGTCCTCCAAGCCCTGGAGGGGCTGAAAATGGTGGAAAAGGACCA
AGATGGCGGCCGCCACCGCGGTGga

Table1 5149

TATAGGGAGTCGACCCACGCGTCCGCCACGCCTCCCTATAAGACAAAGCGCGGCCGACGGGCTCC
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GCCCCGGGCGACCCGCGGCAACCCCACCGCCCCGACCCCGGCCGCCCAGTGGGCCTGGAGCAGCTGCGGCG
GCTCGGGGTGCTCTACTGGAAGCTGGATGCTGACAAATATGAGAATGATCCAGAATTAGAAAAGATCCGAA
GAGAGAGGAACTACTCCTGGATGGACATCATAACCATATGCAAAGATAAACTACCAAATTATGAAGAAAAG
ATTAAGATGTTCTACGAGGAGCATTTGCACTTGGACGATGAGATCCGCTACATCCTGGATGGCAGTGGGTA
CTTCGATGTGAGGGACAAGGAGGACCAGTGGATCCGGATCTTCATGGAGAAGGGAGACATGGTGACGCTCC
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AAGAAGGTGCAATCCTAGATAACACAGCTAGCCAGATAGAAGACACTTTTTTCTCCAAAATGATGCCTTGG
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ACAGAAAAACTCCAAGTTAACTTCATGTTTTGGAAGGGCAGGTCGTTTTTAAAGTATTTCTTTTTTTAACT
GGATGAAAAATCTTCATGTTAGGATTAATTTTCTTAATCACCTCCACACTGTACAGAGGAAACTCAAGCCT
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Table 6
927/3331

CCGCAGGGCTTGCTTCTGTCAAGTGTGACTCTATCTCAGTAATTAAAATAAGTGCTGATCTACTTGATTTT
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Table1 5150
NNCAATTTCTACACCGACGATGATGATGGCAAGAAAGCAAGATGTCCGAATTCCCACCTACAACA
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CAGTGGCTGGAGGAATCTGTATACATGGATATTTATGGCAAACACCAAAAGCAAATTATAGATAAAGCAAA
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GCAAGGAGAAGATGGGTGTTATTCAGGATGTTCTGGGAGAGGAACAGCGATTTAAAGCCATTTACAAAAGC
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CAACGGCAGCGGGAATGGTTCTGACAGTGAAATGGACACCAGCTCTCTAGAGCGAGGGCGCAAGGTTTCCA
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AGAGTCTGCAGAGACAGTTTGATCAAGACCACAACCTGGACCTGGCAGAGAAAGACTTTACGGTGAATACC
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CTTGGTGGAAGCACACAAAATCAACGACCGGGAGCAGAAGTTGCATGCCCTTAAGGAGGTATTAAAGAAAT
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GTGAATCTCATGACCAGCGAGAACCTCTCCATCTGCTTCTGGCCCACCTTGATGAGACCTGATTTCAGCAC
TATGGACGCCCTCACAGCCACGCGCACCTACCAGACAATCATTGAACTCTTTATCCAGCAGTGCCCCTTCT

Table 6

TCTTCTACAATCGGCCCATCACCGAGCCCCCCGGCGCCAGGCCCAGCTCCCCCTCTGCCGTGGCTTCCACC
GTCCCCTTCCTCACTTCCACGCCTGTCACAAGTCAGCCGTCGCCCCCACAGTCGCCTCCACCCACCCCCCA
GTCCCCAATGCAGCCACTGCTTCCCTCCCAGCTTCAAGCCGAACACACGCTGTGAGCCACCAAGACCTGGG
GCGACAGGAGAACCGGTCCTCTCTCTGACGGGGTGGCATTTGGCCTTGAACAAAACCAAGTCCACTGGGGA
CAGAGGCAGGGGCAAGTGGCTCTCCCCATTACCTTCTCAAGACCTCAGTGGGAGCACCAGCCAATGGTACC
ATCGGCCTGGGCTGCCAGGGTACCCTGGGCCTGGCGCTGCAGACCATGAGCTGGCTTGGGGCCAATTGAAG
ACGAACAAAGGCAGCAACGGGGCAGGGCCCTCCCTTGTCCGAGCAACACCCAGGGTCTGGCAACACAGCCC
GGATGCACCTCTGTGTACACACCAGGGCGAGAAGGGCAGGCTGCCGGAAAGAAGACGGAAAANNNNN

Table1 5153

NNACAGTGAGACCTGTCTCTACAAAAAAGTATTTATTTATGTTTTTAATTACCCAAGTGTGGTGG
CATGTGCCTGTAGTCCTAGCTGCTTGGGAGGCTGAAGCAAAAGGATCTCTTGAGCCCAGGAGTTTGAGGTT
ACAATGAGCTATGATCATGCCACTGCACTCCAGCTTGGGCAACAGAGTCAGACCCTGTCTCTAAACAAACC
AAACGAAGCCAAAATGAATTGTATAATTTAAAAGGGTGAATCTTATGGTATGTAAATTATATCTCAATAAT
GCTGTTACTCTAAAGAAAAAAAAGGTCATCGACATGATTATCTACTACTCACATGCTATAGAGGTCAATTA
ATACCACTTGCAAATGAGCAAGGAAGAAGAAAGGTTTATTTAGCCAAAGAGAATCTGAGAATCTTGATACT
AAGAATTGCTAATTCATATAATGGCTTAGAATAGTTTTACTTCATACTGTGATCAATAATGGATTAGCTAC
TTTATCCTTATCTAGGACAAATTCCAAGCATAGGCAGCTACAGTCTGAAAAGAATTATTATAAGCTAGAAT
TTTTCTAAGAAAAAGATTTGTTCTCAGGAATACGAAAATAGATACAAGGAACTGACCCAGACATGACAATA
AGTCTAACAAAGTTAACACTAGTAATAATGTGTCAGATAAAAGGTAGAACTGAGCTAAAAACTCAAACTTT
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CTGCGAACCATAAAGCAGCACACAGGGACTTCTTTACACCAAAGGGGCCCGATCCAGCCCTTCCTTCTGTG
CCTGCCACTTCCGGGTTGGTGCTTTACAGCGCTTGAAGGGAGAACAATGTTCTGTAGTCTGCAACACACTC
CAGACCATGTTGACGCTATGATCACTATGTTTGCATGATTGCATAGAGCTTAAAAGAAGAAACAGAACACC
AAGTTTCTTGCACTGAATTCACATATGAAAACTGGAAGAGCACAACTGTTAGTTTTCAAGGTCTTTGGCTA
AAGCTTCACGAATGAATTGTAAAGTACGCTGGTACAAAAAAGCATCCTTTTTCTTTGGCTTACAAATGTTC
AAATGGTTAACATCCACAGGAATTAGATCTCCAATGCCTAAATCTGCNN

Table1 5154

ttcggcttgtgttctgtagttcggtttctttggccttgctgcttgtctgctcgttttccgtccgc
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cctgctccctctccctgtcctcgctctctgttcttgcagttctctctctgcctcctgtcgcttttttgtgc
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CCTTCAACAACATAGGAGGATCCTCCCCTTCTTTTCTGCTCACGGCCTTATCTAGGCTTCCCAGTGCCCCCA
GGACAGCGTGGGCTATGTTTACAGCGTCATCCTTGCTGTGTGTGTGCCTCATGCATTGTGGCTCCAGCTTA
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CTGTGTCTGCCCATTCCTTTTCCTAGCAGACCTGGACTCCACACCAGAAAGCACAGGTCAGTAGGACTCAG
GAGGCTCGAGCTTCGGCCAGGTGAGTTCCAAGCTTCAGGTGTCCAGCATCCAGAAAGGCCAAGTGATGCCA
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TGTCCTTGATCCACTTCCGGTAATGCACCACCTTGGTGTACACAGCAGGCTTTTCAGGCAGGGCACATGGC
TCAGGGCCCCATGATGTGATACCTTGAAGCACACCATTACAGACAAGTGGACCCCCAGAATCACCCTAAGG
GTAAAGGAGGAGAGACACAGTGAGAAAGATTGGCCCCAATAACTGCCTAGGCAACTCCATCTCTCAGAACC
GCGCAGGCAGATGACTGAGAGCAATTCCCAGCTCTCAGGAACAGACAGAAATGTCTCCAGAACCCACTCCC

Table 6
929/3331

ACAAGAATATGGGCAGGGAGTCCAACAGAGGGAACAAGGCTCCAGTCTTGGCCTATGGGGAGGGGACTTCA
GGGTCCAGCTCCTGCACAAGGGGCAAGGTCCAGGAGGACAGTCCCTGCAGACAGGTCAGCAGGATGAGGGC
CGGGACCATCTGCAGGATGCTGCCCCCACAGGCACATCGCAGAGGCCACCTCTTCAGGACTACTCTCTGAC
TAGATGTCCCCTCTCCAGGGCATTGGGGAGCCATGGAGGGCCGTGGGCAGGGCTGGGTATGGTCAGTTCAG
TGATCAGAATGACCCACTGAGGCCAGATGGAGGATGGAGTGGAGGGGAGAGACTGAGGGCCAGGAGACTGT
GAGGGAGGCTGGGTGAGGGCCCAGGCAGGGGCAAGGCCTGGAGCCACCCCCAGGTCATCCTCATCGTcACC
GGACGCGTGGgtcGACTCCCTATa
Table1 5156
ACTGTTATTATCCCTATTTGCCAATGAGAGAAAGAAGGCAAGATAGCTTAAGGAAGTTTTCCTAA
TTGCCCAGCTAGAAGGCAGGACACATTTGCCAGCAGGGGGCCGTTTGCCCCCATGTGTAAGGGAGGCAGGG
CCCATCTCTCCCACGGCGAGGTTGAGCTGATTACTTTCTGAGAACAGTTAGAGTGGGTGCGTGATCTGAAA
TGGGTTACCN
Table1 5157
agcgtccggacttCTCCGCCTCGGTGGGCTGGGTCGGCGGCTGGAGCATTACCCCTACTGCGGGT
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CGCAGTACAAGAACTGGAGAGGACAAACTATTCGAGAGAAAAGAATTGTAGAAGCAGCAAATAAAAAAGAA
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TACTGTAGAAACCTAACTTCTTTTAGACTTAAATCCTTCATTTGACTTAGTCATTGTTATTTATGAATTTG
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tttcctctttggattactcccttga
Table1 5159
cgcggagcctggggaagcttttccagtagtactttccggcgtgttgaccctatttcccgtgctgc
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AAAGGGCCTAAAGAAGATGCAGGCCAACAATGCCAAGGCCATGAGTGCACGTGCCGAGGCTATCAAGGCCC
TCGTAAAGCCCAAGGAGGTTAAGCCCAAGATCCCAAAGGGTGTCAGCCGCAAGCTCGATCGACTTGCCTAC
ATTGCCCACCCCAAGCTTGGGAAGCGTGCTCGTGCCCGTATTGCCAAGGGGCTCAGGCTGTGCCGGCCAAA
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Table1 5162
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CCAGCACTTTTGGTAGGCCGAGGTGGGTGGACCACCTGAGATCAGGTGTTCAAGACCAGCCTGACCAACAT
GGTGAAACCCTGTCTCTACTAAAAGTACGGTTGGGCTCGGTGAATCAGTCCGTGATACAACACTGGATAGA
GCGGCGGACACAAGCAGGAGCGCCAAGACC
Table1 5163
TCTCTGGAGAGCAGCAGGTAAGTGGTTTCCCGCACTGCCGGTATCCGCCGCCATCCGGACTCCCG
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Table 6

GCGCGCGAGACAAACAGTTCACAGACTAACCACGGCGACCCCGGCCAACCCCCCCGGCCCCCATCGACCCA
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GAACCCGCGTCCGCCCNGCGCGCGCNNNNNN
Table1 5166
CGGTTTTTTTTCTTATGCCACGGGAAGTTTAGAGAGCTAAGATTATCTGGGGAAATCAAAACAAA
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CAAAGAGGCCAATAGTGACGAGAAGGTGAAAATTGCAGGCCCATGGGGAGTTACTGATTTTTTCATCTCCT
CCCTCCACGGGAGACTTTATTTTCTGCCAATGGCTATTGCCATTAGAGGGCAGAGTGACCCCAGAGCTGAG
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Table1 5169
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Table1 5170
GCGGCCGCCCGGGCAGGTGCTTGATACGTCCGCCATTTTGGGCGCTTCGCTGATGGTGTCGGTGA
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Table 6
931/3331

AGGAAGACTTGGATCTTTTCATGAACTCCTGCTGGAGCCACCCAAGAACATGTTCTTCAAGTATACATGGA
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ACAACACACTGCCCGCAGCGAGCGATTACNN
Table1 5174
TGTGGGTGAGTTGGCTGCCGGTGAGTTGGGTGCCGGTGGAGTCGTGTTGGTCCTCAGAATCCCCG
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Table 6
932/3331

TCTGTAAAATCTGATGATAAACATATGCATGACCATAATCACCGCCTACGTCATCACCATCGTTTGCATCA
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TCTATTTCAGCCACCTTATGGACATTTTGAGACATACAGAGGGTCACAN
Table1 5175
NNNNNNNNNGCATCTCACAGATCCATTTATTCATGCCATTTTCGAAGTTGAGCCCTTGCTAGAGA
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Table 6
933/3331

AGAGGGTGGGAGAAAATGTTGAAATCAAGAAATTAAAAAACAAAAACAAAAACAAAAAAACCCCAAACCCT
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CTAGCTCTTTTCCCCTGCAGAAGTTTCCAAAGAGACTACCCCGCGTTACTTAATTCTAGAAGTACCCCCGA
NNNNNNNNNNNN
Table1 5180
NNAACCTTTCAAACTTCCCCGAAATGCACTTGTGGTCAGCAGCTAGCGGTCTTTTGTTTGGGGAA
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TGTCAAGACTCCATGATCAATAATTCTCAGTGTCACAAACAAGGTGATTTCCCTTACCAGGTAGGGACAGA
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TCTTACATGTGTTGAGCGTGGAAAAGGCTTCTGTTACAGCCCAGTTCTTCCTGTTCATCAGAAAGTACATG
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GCGCATATGCAGACACACAACTTCAACACAAGAGGGGAGGAGCGAAACCACAAGAAAAGAAGGAACACAAA
CAAGGAGAAAAACAAGAGGAAGACGATCACAAAGAAAAGAACNNNN
Table1 5181
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AGTCCACATCCGCTCTCACCCGAGAGAGATATTCAGCTGGATCCAAAGTGACTGATGAAGGGAAGGAAATC
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Table 6
934/3331

AACATCAGGGAGATAAATTCAACCCAGTGTGTCTAAAAATGACTACAAAACGAAGTTTGTTTGTGCGGTTG
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Table 6
935/3331

TTAATGTTTTTCTCCTGAAACTACTTTTTTTGATGTGGGCAAGAGATTTGAAGTGTTGGCTTTTGCTATGT
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TAATTAAANNNNNNNNNNN
Table1 5182
NNAGACGACCCACGCGTCCGGGGCGAGTAGGGAAAGCGGGGAGGGACGGACGGAAGGACGGACGG
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Table 6

TGATGAAGAGATGAAAATGGCGGAGATGCGACCACCATTAATTGAAACCTCTATTAACCAGCCAAAAGTCG
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CTAACATTTCTTTTATTGATTTCAGATTTTCACAGGCACATTCTACTTTTAATCAGAAATATATTTAATAA
GTATAATTGTGAAGTTTTCAACTACTTTACCTTGAACCACATATACCAATTATAATTTTGGAAAAGGAATT
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Table 6
937/3331

AATGCAACAGATGTTATATGCACTGGCATTTTATCCTACTCTAGTTAGTTAAAATTTTATAGTATTCTTGC
AACACATAAAGTTGCGTAAGAAACTTTACCAAGAGGAGTATTATAGCCAAGTTTTCTTTGAAAGTATTGGA
AAACTAAAATTAAATGACAAGGACTTTGAATTAGAATTTTGCTGTAATAAAGTTTCAAAATTTGAATAAAA
TAATTAAANNNNNNNNNNN
Table1 5183
NAGTCGACCCACGCGTCCGGGCCAGGCTGTTTTAAACTCCTGACCTGAGGTGATCCACCCGCCTT
GGCCTCCCGAAGTGCTGGAATTACAGGTGTGAGCCACTGCGCCCAGCTGAGTAAATTTCTTGATTGCACAG
AATGTACGGTGATATTGGCGGACTTAAGGACATCGAATTGTTTATCAGGAATAAAGTATTATGTGTGTTTT
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TCCTAAGTAGCTGGTATTACAGGAGTGTGCCATTAGCCTGGCT
Table1 5185
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Table1 5186
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NNNNNNNN
Table1 5187

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TCCTGGGCTCAGGTGATCCTCCCACCTCAGACTCCCGAGTAGCTGGGACCACAGGAGGGCACCACCATACC
TGGTTTTAAAACTTTTTGTAGAGATGGGGTCTCACTATGTTGCCCAGGCTGGTTTCAACCCGGACGGCGNN
N
Table1 5188

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CACCCCAAGCTGTGGCCCCGCCTTGGAAGGCAGTGCTTCTGAAGGTTCCCAGCAGATCTCTTAACAGACCA
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Table 6

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TAGCCTCTACAATAACTTTTAGCTCTTAACATTCTGTGCTTTGCCAAATCCAGGGCTAGGGGAAGGCACTG
GAACTGCTAGTGGACAGGTGTGAACCCCGGGTTTGGTGATGTGTAGTCCAAATTGTTCTCATGCCAATTTT
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Table1 5189

NNGAGGCAGGAGAACCGCTTGAACCCGGGAGGAGGAGGAGGTTNCAGTGGGCCGAGATCGAGCCA
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GTGGAAGGGACAGCTCCACAAAGGCTGCTCTTGCAGGGGCTCTCCTGCAGCAAGGTGCCTGCTGACTGTCC
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Table1 5190

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Table1 5192

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Table 6
940/3331

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Table1 5193
TTGGAGCTCACCGCGGTGGCGGCCGCCGGACCAGGTACGCGGGGAGACTTTTGCCACACACAAAT
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CCANN
Table1 5194
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CTATCAGGGACTATCGCATCGATGAGAAGAACTTTGTGGTCGTCATGGTGACCAAGACCAAAGCCGGCCAG
GGTACCTCAGCACCCCCAGAGGCCTCACCCACAGCTGCCCCAGAGTCCTCTACATCCTTCCCGCCTGCCCC
CACCTCAGGCATGTCCCATCCCCCACCTGCCGCCAGAGAGGACAAGAGCCCATCAGAGGAATCCGCCCCCA
CGACGTCCCCAGAGTCTGTGTCAGGCTCTGTTCCCTCTTCAGGTAGCAGCGGGCGAGAGGAAGACGCGGCC
TCCACGCTAGTGACGGGCTCTGAGTATGAGACGATGCTGACGGAGATCATGTCCATGGGCTATGAGCGAGA
GCGGGTCGTGGCCGCCCTGAGAGCCAGCTACAACAACCCCCACCGAGCCGTGGAGTATCTGCTCACGGGAA
TTCCTGGGAGCCCCGAGCCGGAACACGGTTCTGTCCAGGAGAGCCAGGTATCGGAGCAGCCGGCCACGGAA
GCAGCAGGAGAGAACCCCCTGGAGTTCCTGCGGGACCAGCCCCAGTTCCAGAACATGCGGCAGGTGATTCA

Table 6
941/3331

GCAGAACCCTGCGCTGCTGCCCGCCCTGCTCCAGCAGCTGGGCCAGGAGAACCCTCAGCTTTTACAGCAAA
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GTGGAGGGGGAGGTGGGCGCCATAGGAGAGGAGGCCCCGCAGATGAACTACATCCAGGTGACGCCGCAGGA
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TCCTCCTAAAGTGGCCCCTGTTCCCATCTCCCGGGCCAGACAGCTGTCCCCCCGTCCTCCTCCCCAGCCCA
GCCTGCTCAGAGAAGCTGGCAGGACTGGGAGGCGACAGATGGGCCCCTCTTGGCCTCTGTCCCAGCTCTCT
GCAGCCAGACGGAAAGGCGGCTGCTTGCCTCTCCATCCTCCGAAAAACCCCTGAGGACCCCCCCCCCATCCT
CTTCTAGGATGAGGGGAAGCTGGAGCCCCAACTTTGATCCTCCATTGGAGTGGCCCAAATCTTTCCATCTA
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ATCAGCTCATTGTCAAGGCCACCCCCACCCCAGAACAGAACCGTGTCTCTGATAAAGGTTTTGAAGTGAAT
AAAGTTTTAAAAACTAAAAAAAAAAAAAAAAAAAAAAAATCGAGGGGGGGGCCCGGTACCCAAATTCGCCC
TTTAGGGAGGTCTTTTTACAANNNNN
Table1 5196
ACGCGGGGGTCTGCCGCGGTGGCCGGGTGCCGATTTGACAAGATCAAAGCTGCAGGAAAATGGAC
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AGCCTTAAGACTAAGACAACTTGACTCTGCTGATTCTTTTTTCCTTTTTTTTTTTTTTAAATAAAAATACT
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CTTGTGGATGAAAGTAACAATGTTGGCCACGTATTTTTTACACCTTCGAAATTAAAAATGTGAATTCGTGG
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CAAAAAATGGTGGGGCGGCGCCAAAGAATTATACAACGTGGGCGGGGCGAAGATAAAGAGATTTTCCAAGA
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Table1 5197
CTCCACCGCCGTGGCGGCCGAGGTACCTTTGCTGAAGCATCTTTGTGATCATATTTTGTTTATTA
ACCCAGCCATCTGGATACATACACCTGCAAAGACGGAGTTTCACTCTCATTGCCCAGGCTGGAGAGCAATG
GCGCGATCTCGGCTCACCGCAATCTCCGCCTCCCTGGTTCAGCCCATTCTCCTCCGTCAGCCTCCCGAGTA
GCTGGGATTACAGGTTCAACTTTCCCTATATACATATTTGTCTGCTGAATTTATTGGAACTGCTACCATCT
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AGAAATGGAATAAGCACGTTGGGTGAGAGAAAGAAAGAAATCACATCCTTTATCCTCCCACACAGCCAAAG
ATTCCTGAAGACAGAGCTGATGCCATGT
Table1 5198
NAGTCTCTCCTTTAGGGAAATTAAATCCCTTAACGAATGGGATCAGATGGAGAATTTAAGCCAAT
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CAGATAGATCGGCCCTTTCAGTGATATTGCCGTAGACGTCTCTACCAAATTCCTGACAGGTGGTTACTGAA
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CGTGAAACTTTACTACTATCAGATAATTGAAGACAGATCTCTTTGTATTCTCTTCAAGCCCAAACCAATTC
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GGAAGGTGCTAAGTGACTGCCCTAAGGAATGAAAAGCAAGGGCCAGGTGGGAGTAGCCCAGCGAAGGCACT
TGGGCTGCCAGGAACAGGAGGCGTGGGAAACTCTGGCTTAGGAAAACATGAACACAGGGGCAACAGAGGCA
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NNNNNNNNNNNNNNNNNNNNNNN
Table1 5199
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ATGCATATAAAAAGAATGTAAAAGGAAACCTAAAATACAAATGGAATAATGTAACAAATAAATATTTGATT
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Table 6
942/3331

GGCATAAAAAAATCACAATTCAGCATAAATAAAGCTATTTTTAGCTTCAACACTAGCTAGCATCTCTAAGA
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TTGTTTTCCTGAATGGGAAAAACTTAAAAAAAAAAAAAAAAAAAGGTAAGTGTACCTGTGCACATTTCAAGA
TAGCAGCACTCAGTCCATGCCCTATTATCCATCTTAAAAGTTCACACATTATTGTTTACTGAATAATATTT
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TCAAAACAGACATTTCAAAAGCACAAACTGGCAGTTTTTCTTAACAAAAGTTTTAAAATATTAAGAATGGA
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TAACCTGCCCTAATTCTCACCTTTAATATCTAACAGATACCTGTATAGAATTAACAAAACACATACAGTAC
TCAACACTAAATGGTCAANNNNNNNNN
Table1 5200
NNGGAGGTGTAGGTGGGTGGGGTCATTTCACTAGTGTTGTCTCAGTTAGGCCTCCATTCCTACTT
TCCTTTGAAAGCTGTTCTTCTTGTGTACTCAACCCAGAAAATTCCAGGCCTATTGTCCTCAGCCCTCACTA
GAGTCCTAGATACGCACCGTTTTATTTTCTTTTTTTGGTGTAAAGATTCAGTTAAAAAATATCTTCCTTCA
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CAACAGGGNNNNN
Table1 5201
GGAGTCGACCCACGCGTCCGGCGCTCACGGCGTGGGACTGAGCAGCTACCTTTCAACTGAGAAAG
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TGATATAACACAATGAGTCACTGTTCAGAATTTGCTCTTGTCAGATGTTTTCTTACATTGGGTAGAGTCCA
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Table 6

CACACAAGCAGCGGGTGGGGAACAGGGCACCGGTATCCAACAAACCTGGGCGGAGTATGTCCGAACCATTG
TTACTAAGGATGGGGTGTCCACCCACTCTGTCCAAAGCN
Table1 5203
ACCACAAATTAATGGTTAAAATGCATCCCTCATACGACAATGTAACTTCTTCCTCTCACTGTTGA
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Table1 5204
NACTGGAGGCAGTGATTTTGGGGCAGAGAATTTGCAACACGTGGTAGTGAACTGTGAGGAGTTGA
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GGGGTCGGAATAACACAGGATCTTTTTTGGTTACGGTCATAAAACCAAGGAAGGTTTTGGAAAAATTGGGG
GTTCGGGAGAGGAAAAAGTACACGTGAGGGGCCCAAAGTTGTGGAACTCGGGGGANNNNN
Table1 5205
ACCACTGGTTTGCAAATAGAGAAACCTCTAAGACTCTTCTTACTCATTTCCTTGACCAAAATAAA
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TGATAATCACTTCTGGGATTCAGACTGAGACTTGAGCAAGCTTCAAGGTTGGATGACTGAATTGAAGACTT
CCATGTTAAATTGGTTATCTTGAGAAGGATACAAGTTAATTTCAGATATTGATGATGCTCAAATACTTCCC
CGCTCAACTAGAGTCAGACATTTTTCACAAAGTGAAGAAACTGGAAATGAAGTTTTTGGTGCTTTGAATGA
GG
Table1 5207
ACTTTTTTTTTTTTTTTTGCCGGAGTCGAGCGGGTGCTGCTAGCGGAGGCGCCATATTGGAGGGG
ACAAAACTCCGGCGACAGCGAGTGACACAAATAAACCCCTGGACCCCCTTGTTCCCTCAGCTCTAAGGGCC
GCGATGTTGTACCTAGAAGACTATCTGGAAATGATTGAGCAGCTTCCTATGGATCTGCGGGACCGCTTCAC
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Table1 5210
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CTTATCTCCGTAAAGAACTACAGGATGATCAAGAAGAGAAAGGGTTAACGATTAATTGATGCACTTGTAGA
AGAGAAACTACNN
Table1 5211
CGCATTCAACTTAAATGCTTTTATTGACAATGTCTTGGAACAATAAGCAAACCCCGCGTACCCAA
CTCTCAGCCAGAGATGGTGGAGGCCGTCAAGAAGCACATTTTAAACATGCTGCACTTGAAGAAGAGACCCG
ATGTCACCCAGCCGGT
Table1 5212
NNNNNACCACCTACCTCCCTCACCAAAGCCCATAAAAATAAAAAATTATAACAAACCCTGAGAAC
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GAAGGGCCAGCTTACTGTTGGTGGCAAAATTGCCAACATAAGTTAATAGAAAGTTGGCCAATTTCACCCCA
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Table1 5213
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GCTTCCTCTGTCTGTGACTTTACACACAGTTGTTCAAAGTTGTTAAATGTCAAGAGTCAATCACATCCCTA
GGACATACCTCCCAACTCTCCTGACTCTTATGTTATTGAAAAAACAAACAAACAAAAACTCCTTTATGATG
ATATTCAACTTGAGTGGGGTTTTTTTTCCACTTTGGTCCTGGATATAATGAAATGATACATATTAGGATAA
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GGTTTATGATAATTAACCTTGATTCATGTATTGGGAAGCTACAGGGACTACGTAATACCTGCTTATCACAT
AGGAAAATTATGTCCATGATTCTGAGCTCCCTTCTTCAAAAGTTTCCTCCTGGGTGTTCTATGTTCTCTCT
TTATCCTGAAATACATTTATTAGGTTGTGAGGTATGTTGAAGAAGTAGAAGCCAGGGGTATGCTTTCAGCA
TTTATTGCAACCAAAAGTTAACCCCATCACGGTTAACGAGCATCTTTGGTCTCTTGTGGAATTTGAACTAA

Table 6
945/3331

AACTATGAGCCTTATTCAATATCTATAATTCTATGATTTTTTTAAATTATGGGAAATTAATGAAAGATGTT
TACATGAATAATGTTTGCCCTTACTGTGTTATGAATGAGTTTTTTGTAGTGTGTCTGGGTGCATGATGCAA
GAGAGTAGGAAAAATGTTTCTGAAACAAAACTTGACAAATATTTGTAATGAAAGTAAATTTAAAGATTGCT
ATAATTGCGCTATAGAAACAATGCAAGTATTAAACAAAATATACAATCAAAAAAAAAAAAAAAAAAG
Table1 5215
CCGGGCAGGACGCGGGGCTCTTTCCCTCGGAGCGGGCGGCGGCGTTGGCGGCTTGTGCAGCAATG
GCCAAGATCAAGGCTCGAGATCTTCGCGGGAAGAAGAAGGAGGAGCTGCTGAAACAGCTGGACGACCTGAA
GGTGGAGCTGTCCCAGCTGCGCGTCGCCAAAGTGACAGGCGGTGCGGCCTCCAAGCTCTCTAAGATCCGAG
TCGTCCGGAAATCCATTGCCCGTGTTCTCACAGTTATTAACCAGACTCAGAAAGAAAACCTCAGGAAATTC
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CAAGCACGAGGAGAACCTGAAGACCAAGAAGCAGCAGCGGAAGGAGCGGCTGTACGATCTACAGAGAAAAC
CTTTATCAAAATGAGGACATTCCTTTTAAACTTTGTTTCTCGGCAGTTTTTATCATAACGATGTTTAATGC
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ggtttcaTTTTCAACTTTTAAACTAACtTTACAtcccTGAGATAAACCCCACttggttgtggtgCAttgtc
ctttggAATAttgctagagtTGATTTCTaggttTTTTTTTTTTTAagattTCTATAttggtgttgatGga
gatattggACttttgtatccttttcttgtaatgtc
Table1 5218
NNNCCCCTTTTTTTCCCCGGGGGGGATTTACCCCCCCCAAAAGGGAAAAAAAAGGGGGGGCGGGG
CCCCCCCCCCGGGGGGGGGGGGGGAAAAAAGGGGAAAAAAAATTCCCCCCCCCCGGGGGGGCCCCTTTTTT
TAAAAGGGCGCCCCGGGGGGGGATACTTTTTTTTTTTTTTTTTTTTTTTGGAGGTTGAATGCAGGGTTT
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TCTTCCTGCTGGGTGGCCAAACCTCTCCGACCACCCTCGGCTGAACTCCTCTCGGCGTTCAAATGTTCCTC
TTCTCTCTTTCTCTGCTGTATCGTTTCACCATTCATCTGCTTGTCTGGGATGGTGAAGACAACTGTTTGCT
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GATTGTCCCATCTAGGTCGCCAAAATGTGTCTGGAATTGGTGGGTTCTTCGTCTCACTGACTTCAAGAATG
AAGCCGCGGACACTCGCAGTGAGTGTTGCAGTTCTTAAAGGCGGCATGTCTAGAGTTTGTTCCTTCTGATG
TTCGGATGTGTTCACAAGATTCTTCCTTCTGGTGGGGTTCATGGTCTCGCTGGCNN
Table1 5219
NGACTGGTGGAGGGACCAGCAGATATTTCCTCCGAAGGAAGGATGGGGCAACCCTTGGTCTTGGG
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CAAAGAGCTCCACCATCTGAGATTACCACTCAACTTTTAAAGACAAATTCTTATTTCATCCCTCCAAAGAT
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AATCTCACCTGTGCTTCAAGCCTGATTATTAACAACCTTAGCTCAGATCATGAGGCCGAGCCTAATTTTCC
GACGTTGCACTCCAGGTCACTTCCAGCTTGGGCCTTCTAAGGGACTCTCATTATTCCCCCCAGCCCTGAGC
TGCAGCAGATCCCCGCGTTAATTAATTCTAGAAGACTTCCGANNNNNNNNNNNN
Table1 5221
ACGCGGGCAGATGCCTCCGGCCCACAGTTCCACCAGGCAGCGGGAGAGGACCTGCTGGCCCCACC
GCACGACACCAGCACGGATCTCACGGAGGTCATGGAGCAGATTCACAGCACGTTTCCATCTTGCTGCCCAA
ATGTTCCCAGCAGGCCACAGGCAATGTGAAGTATTCATCCGGCCAACCAATGTTTCCTGACGTACGCGGGG
GAGAGAGAGAGAGAGAGTTGTCAGGAAAGCTGCAGGTTACTTTGAGACAGTCGTCCCAAATGCATTAGAGG
AACTGTAAAAATCTGCCACAGAAGGAACGATGATCCATAGTCAGAAAAGTTACTGCAGC
Table1 5222
NTAGAGCGGCCGTGAAGTAGCCCCCCAACTTGCTGGCGTGCTGCTTCTTTGGGAACACCCCTGGG
TGGCGTTTCATGTAATGGGACACGATGCCCTTCTTGCTGAACGACTGGAAAGAGCACAAGGAGCACTTTTT
CTTCTCCACTGCCCGCCGGAGTTCCTCGCTCAGCTGAGGGGAGTCGTCCTTGGGCGGGGATGGGATGATCA
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CGCTTCTGGTAGTGGGCTGCCAGACCTTTGCGGATGGGGTTGGTGTAGGCACACAGGGCACACTTGAAGAG
GTTGTTCTTGCCTTCTGGCTGGGCTCGGACATTATTGTGCTTGATGCGGTAGTGCCTGGCGATCCCCTTCC
TCGTGGAGCAGAAGTACGTCNNNNNNNNNNNN
Table1 5228
ACTGATCGTCTTGTTATCACTCCATTAACAGATAGATGCTATATCACGTTAGCTCAGGCCTTGGG
CATGAACATGGGAGGTGCTCCCGCAGGACCTGCTGGCACTGGCAAAACAGAAACCACAAAAGACATGGGAA
GGTGTTTGGGAAAATTATGTGGGTCGTGTTTCAATTGCTTCAGAATCAAATGGGATTTTCAGAAGGCCTAG
GAAGGATTTTCAAAGCAAGAAAAGAAAGAAAGAAACAGTTCATTTTTTCTGATGGTGATTGTCGTTGATTT
AAAATCCAGGAATTTGGAATCTTCTTAACGATGAACCCTGGATATGCTGGGCGCCAGGAACTACCAGAAAA
CCTAAAAATCCAGTTTAGAACTGTTGCTATGATGGTTCCTGATAGACAGATCATTATGAGAGTTAAACTTG
Table1 5229
GCGTCCGCGCCGCGCGCGGGGCGGATGTCCGGGCCGGCTGGGCCGGGGGCGCGGAGGAGATGGCG
GAAGGTGGAGGCTGCCGTGAGCGACCGGATGCGGAGACTCAGAAGTCCGAGCTTGGACCCTTAATGAGGAC
CACACTCCAACGCGGGGCGCAGTGGTATCTTATTGACAGCCGGTGGTTCAAGCAGTGGAAGAAGTATGTGG
GCTTTGACAGCTGGGACATGTACAATGTGGGTGAACATAACCTATTTCCTGGCCCAATAGACAACTCTGGG
CTATTTTCAGATCCTGAGAGTCAGACCTTGAAAGAACACTTAATTGATGAATTGGACTATGTATTGGTCCC

Table 6

TACCGAGGCGTGGAATAAACTACTAAACTGGTACGGCTGTGTAGAAGGCCAGCAACCCATCGTCAGAAAAG
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ACGAGCAGTTGAGCAAGCTAGACAACACTGTCCAGGATGCTGGGCTATACCAGGGTCAGGTGCTAGTAATT
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AAATTTTACTACCTCTCCAAAATCATCAGCAAGTCCCTATTCCTCAGTGTCTGCCTCTCTCATTGCAAATG
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TGCAGACCTACTCAGTACCGTGTGACTGTGCCGCTGATGGGGGCTGTGTCCGACCTGTGCGAGGCTCTCTC
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TCACCCTTGGAGCCAGGGGCCTGCAATGGCTCCAGGAACAGCTGTGAAGGAGAAGATGAGGAAGAAATGGA
GCATCAGGAAGAAGGCAAAGAGCAGCTTTCAGAAACAGAAGGCAGTGGGGAAGATGAGCCAGGAAATGACC
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AGAAGCATGTGAGCATGTTGCAGCCTCAGAAGAAGAAGACCACAGTGGCCCTGAGAGACTGCATCGAG
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TGTAGCGCCAGTGTAATCCCCCAGGAGAACATCTTTGACACTCTGCAGACTGCTAGTGTTCTGTCTAAAAA
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AGAAGCTATGTCAAGAGGCTGAATTATTTTTATTTTTAAACAGGTGGTGAGAAATTTCTGTGAAACCTGTG
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Table1 5232

NNNNNNNNNNNNNNNNNNNCCGCGCAGGCGTACCGGGTGCCCCGGCTCTGGAGCATAAACAAGA
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GCGCCCAGCCATGAACCTGGCGAGCCAGAGCGGGGAGGCCGGCGCCGGCCAGCTGCTCTTCGCCAACTTCA
ACCAGGACAACACAGAAGTGAAAGGGGCATCAAGAGCAGCTGGTCTTGGCCGTCGCGCTGTTGTCTGGTCC
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Table1 5233

NNNNNNNNNNNNNNNNNNNNNNACTTCTAGCATTAATTACGCCAGCCACCATGCTAGGTAACAAG
CGACTGGGGCTGTCCGGACTGACCCTCGCCCTGTCCCTGCTCGTGTGCCTGGGTGCGCTGGCCGAGGCGTA
CCCCTCCAAGCCGGACAACCCGGGCGAGGACGCACCAGCGGAGGACATGGCCAGATACTACTCAGCGCTGC
GACACTACATCAACCTCATCACCAGGCAGAGATATGGAAAACGATCTAGCCCAGAGACACTGATTTCAGAC
CTCTTGATGAGAGAAAGCACAGAAAATGTTCCCAGAACTCGGCTTGAAGACCCTGCAATGTGGTGATGGGA
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TTCGTTAAACTTATTATTAACAATTAGTCATTATAGTCTCCCTCAACTAGCAGATTCAGGGTTCGTTTCGC
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CCACATGTGGTTTTTGAGCCCCTGAATGTAGTAAGTGCAAATAAAGAGATGAGTTTTAAATTTTATTTAAT
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Table1 5235

NNCACCTCTCACCATCTGCTCTGTGGCTCCCAGTGCTGACTCTGGAAGCTTTATCTTGGGTAAAA
GATGTNTGATCAGACCTTTCTCGTTAATGTATTTGGCTCATGTGACAAATGTTTCAAACAACGAGCTCTGA
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GAGCGGCGATGGCACATGTGCCCTGTGGGACGTGGAGAGCGGGCAGCTGCTGCAGAGCTTCCACGGACATG
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Table 6
948/3331

AAGAAAGCCATGGTGTGGGACATGCGCTCCGGCCAGTGCGTGCAGGCCTTTGAAACACATGAATCTGACAT
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CAAAGGGTCCCGGGTCTCCATCCTGTTTGGACATGAAAACCGCGTTAGCACTCTACGAGTTTCCCCCGATG
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CTCATGTATACCTGAGAATTTGAAATCTTCACATGTAAATAGATATTACTTCTAGAGGAGCTTAGAGTTTA
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TCGAGACCACGGTGAAACCCTGTCTCTACTAAAAAATACAAAAAATTAGCCGGGCGTGGTGGCGGGCGCCT
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CCCTCACAACTGCTTGTTCAGGTATCGTGATGGGCCACTCGGTCCAAAATCAGCCAGGCCATCTTTTCCAT
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AACTTTGTGACTTGTCCTTGGCGTTACCCAACTTATTCGCCTTGCAGACATCCCCCTTTTGCCGCTGGCGT
AATAGCNN

Table1 5237

tATAGGGAGTCGACCCACGCGTCCGCAGGGCCGAGGCGTAGTGTGGGTGACTCCTCCGTTCCTTG
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CCTAAATATTACTTCCCTTCAAATCTGCCTTTGAATTATCATTTTTAAAAAAAAATTAACATGTTTTTGTT
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TCTTTCAGTAAAGT

Table1 5240

TTTTTTTTTTTTTTTCGTTCAAACTGTCATTTTATTTTTACGTTGTTAGATATGGGGAGTAGTG
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CCGCCTGGAGCGCGGCAGGTCATATTGAACATTCCAGATACCTATCATTACTCGATGCTGTTGATAACAGC
AAGATGGCTTTGAACTCAGGGTCACCACCAGCTATTGGACCTTACTATGAAAACCATGGATACCAACCGGA
AAACCCCTATCCCGCACAGCCCACTGTGGTCCCCACTGTCTACGAGGTGCATCCGGCTCAGTACTACCCGT
CCCCCGTGCCCCAGTACGCCCCGAGGGTCCTGACGCAGGCTTCCAACCCCGTCGTCTGCACGCAGCCCAAA
TCCCCATCCGGGACGGTGTGCACCTCAAAGACTAAGAAAGCACTGTGCATCACCTTGACCCTGGGGACCTT
CCTCGTGGGAGCTGCGCTGGCCGCTGGCCTACTCTGGAAGTTCATGGGCAGCAAGTGCTCCAACTCTGGGA
TAGAGTGCGACTCCTCAGGTACCTGCATCAACCCCTCTAACTGGTGTGATGGCGTGTCACACTGCCCCGGC
GGGGAGGACGAGAATCGGTGTGTTCGCCTCTACGGATCAAACTTCATCCTTCAGGTGTACTCATCTCAGAG
GAAGTCCTGGCACCCTGTGTGCCAAGACGACTGGAACGAGAACTACGGGCGGGCGGCCTGCAGGGACATGG
GCTATAAGAATAATTTTTACTCTAGCCAAGGAATAGTGGATGACAGCGGATCCACCAGCTTTATGAAACTG
AACACAAGTGCCGGCAATGTCGATATCTATAAAAAACTGTACCACAGTGATGCCTGTTCTTCAAAAGCAGT
GGTTTCTTTACGCTGTATAGCCTGCGGGGTCAACTTGAACTCAAGCCGCCAGAGCAGGATTGTGGGCGGCG
AGAGCGCGCTCCCGGGGGCCTGGCCCTGGCAGGTCAGCCTGCACGTCCAGAACGTCCACGTGTGCGGAGGC
TCCATCATCACCCCCGAGTGGATCGTGACAGCCGCCCACTGCGTGGAAAAACCTCTTAACAATCCATGGCA

Table 6
949/3331

TTGGACGGCATTTGCGGGGATTTTGAGACAATCTTTCATGTTCTATGGAGCCGGATACCAAGTAGAAAAAG
TGATTTCTCATCCAAATTATGACTCCAAGACCAAGAACAATGACATTGCGCTGATGAAGCTGCAGAAGCCT
CTGACTTTCAACGACCTAGTGAAACCAGTGTGTCTGCCCAACCCAGGCATGATGCTGCAGCCAGAACAGCT
CTGCTGGATTTCCGGGTGGGGGGCCACCGAGGAGAAAGGGAAGACCTCAGAAGTGCTGAACGCTGCCAAGG
TGCTTCTCATTGAGACACAGAGATGCAACAGCAGATATGTCTATGACAACCTGATCACACCAGCCATGATC
TGTGCCGGCTTCCTGCAGGGGAACGTCGATTCTTGCCAGGGTGACAGTGGAGGGCCTCTGGTCACTTCGAA
GAACAATATCTGGTGGCTGATAGGGGATACAAGCTGGGGTTCTGGCTGTGCCAAAGCTTACAGACCAGGAG
TGTACGGGAATGTGATGGTATTCACGGACTGGATTTATCGACAAATGAGGGCAGACGGCTAATCCACATGG
TCTTCGTCCTTGACGTCGTTTTACAAGAAAACAATGGGGCTGGTTTTGCTTCCCCGTGCATGATTTACTCT
TAGAGATGATTCAGAGGTCACTTCATTTTTATTAAACAGTGAACTTGTCTGGCTTTGGCACTCTCTGCCAT
TCTGTGCAGGCTGCAGTGGCTCCCCTGCCCAGCCTGCTCTCCCTAACCCCTTGTCCGCAAGGGGTGATGGC
CGGCTGGTTGTGGGCACTGGCGGTCAAGTGTGGAGGAGAGGGGTGGAGGCTGCCCCATTGAGATCTTCCTG
CTGAGTCCTTTCCAGGGGCCAATTTTGGATGAGCATGGAGCTGTCACCTCTCAGCTGCTGGATGACTTGAG
ATGAAAAAGGAGAGACATGGAAAGGGAGACAGCCAGGTGGCACCTGCAGCGGCTGCCCTCTGGGGCCACTT
GGTAGTGTCCCCAGCCTACCTCTCCACAAGGGGATTTTGCTGATGGGTTCTTAGAGCCTTAGCAGCCCTGG
ATGGTGGCCAGAAATAAAGGGACCAGCCCTTCATGGGTGGTGACGTGGTAGTCACTTGTAAGGGGAACAGA
AACATTTTTGTTCTTATGGGGTGAGAATATAGACAGTGCCCTTGGTGCGAGGGAAGCAATTGAAAAGGAAC
TTGCCCTGAGCACTCCTGGTGCAGGTCTCCACCTGCACATTGGGTGGGGCTCCTGGGAGGGAGACTCAGCC
TTCCTCCTCATCCTCCCTGACCCTGCTCCTAGCACCCTGGAGAGTGCACATGCCCCTTGGTCCTGGCAGGG
CGCCAAGTCTGGCACCATGTTGGCCTCTTCAGGCCTGCTAGTCACTGGAAATTGAGGTCCATGGGGGAAAT
CAAGGATGCTCAGTTTAAGGTACACTGTTTCCATGTTATGTTTCTACACATTGCTACCTCAGTGCTCCTGG
AAACTTAGCTTTTGATGTCTCCAAGTAGTCCACCTTCATTTAACTCTTTGAAACTGTATCATCTTTGCCAA
GTAAGAGTGGTGGCCTATTTCAGCTGCTTTGACAAAATGACTGGCTCCTGACTTAACGTTCTATAAATGAA
TGTGCTGAAGCAAAGTGCCCATGGTGGCGGCGAAGAAGAGAAAGATGTGTTTTGTTTTGGACTCTCTGTGG
TCCCTTCCAATGCTGTGGGTTTCCAACCAGGGGAAGGGTCCCTTTTGCATTGCCAAGTGCCATAACCATGA
GCACTACTCTACCATGGTTCTGCCTCCTGGCCAAGCAGGCTGGTTTGCAAGAATGAAATGAATGATTCTAC
AGCTAGGACTTAACCTTGAAATGGAAAGTCTTGCAATCCCATTTGCAGGATCCGTCTGTGCACATGCCTCT
GTAGAGAGCAGCATTCCCAGGGACCTTGGAAACAGTTGGCACTGTAAGGTGCTTGCTCCCCAAGACACATC
CTAAAAGGTGTTGTAATGGTGAAAACGTCTTCCTTCTTTATTGCCCCTTCTTATTTATGTGAACAACTGTT
TGTCTTTTTTTGTATCTTTTTTAAACTGTAAAGTTCAATTGTGAAAATGAATATCATGCAAATAAATTATG
CGATTTTTTTTTCAAAGTAAccactgcatctttgaagttctgcctggtgagtaggaccagcctccatttcc
ttataaggggtgatgttgaggctgctggtcagaggaccaaaggtgaggcaaggccgacttggtgctcctg
tggttggtgccctcagttcctgcagcctgtcctgttggagaggtccctcaaatgactccttcttattattc
tattagtctg

Table1 5244

ACGCGGGGCCCAAACTCACCACCTGGCCGTGGACACCTGTGTCAGCATGTGGGACCTGGTTCTCT
CCATCGCCTTGTCTGTGGGGTGCACTGGAATAGCCAGGTCTGGCTGGGTCGGCACAACCTGTTTGAGCCTG
AAGACACAGGCCAGAGGGTCCCTGTCAGCCACAGCTTCCCACACCCGCTCTACAATATGAGCCTTCTGAAG
CATCAAAGCCTTAGACCAGATGAAGACTCCAGCCATGACCTCATGCTGCTTCGCCTGTCAGAGCCTGCCAA
GATCACAGATGTTGTGAAGGTCCTGGGCCTGCCCACCCAGGAGCCAGCACTGGGGACCACCTGCTACGCCT
caggCTGGGGCAGCATCGAACCaagaGGgagtgagtctcacgtggttgtgacgcctccatctccttgtcca
aatgacatgtgttgctagacgcttactcctgagcaaggtgaccagcagtcattgtttgttgtgctgcgctc
tgcaccggtggtaccacgacacttgtgggggggtgatcctgggggggtccccttgtctgtactggtgtgctcc
aggtatcacatccttggggccttgagcatgtgcctgctggaatagcttgttgtgtccccaaggtggtggca
ttactggacgtggatcaggaccacatcgaggcaagccctgtagtgcctgtccaccctacctctattaattt
acgcccctcacttccggataactggcttctggttggtggcacctgatgtggacacggcgaagtagcctggg
catatggtggtcgggggcagggagaaaggggacaccggtgcatgccaagaatcgcactggcaggtgtaacc
ctgtggcccacggcctgtggacaggccccgagagaccaaagcaagaga

Table1 5251

NGAGTCGACCCACGCGTCCGGGGAGCCGGACTCGGGAAGGTGGCTGCGTTCGGGTTGCTAACGTC
TTCCCTTGGAGATGGGCGCGCAAACCAACCAGTGGGTCTGGGGGCGGGGGTGATGGGCGTGGAGCTGGCCC
AATGAGGGTAGGGGTGGGTGGGGCAGCCCCGAGCAGCAGTGCTAAAGGAGCCCGGCGGAGGCAGCGGTGGG
TTTGGGCCTGAGGCGCTGGATCTGTGGTCGCGGCTGGGGACGTGCGCCCGCGCCACCATCTTCGGCTGAAG
AGGCAATTGCTTTTGGATCGTTCCATTTACAATGGCGCAGAGAACTGGACTCGAGGATCCAGAGAGGTATC
TCTTTGTGGACAGGGCTGTCATCTACAACCCTGCCACTCAAGCTGATTGGACAGCTAAAAAGCTAGTGTGG
ATTCCATCAGAACGCCATGGTTTTGAGGCAGCTAGTATCAAAGAAGAACGGGGAGATGAAGTTATGGTGGA
GTTGGCAGAGAATGGAAAGAAAGCAATGGTCAACAAAGATGATATTCAGAAGATGAACCCACCTAAGTTTT
CCAAGGTGGAGGATATGGCAGAATTGACATGCTTGAATGAAGCTTCCGTTTTACATAATCTGAAGGATCGC
TACTATTCAGGACTAATCTATACTTATTCTGGACTCTTCTGTGTAGTTATAAACCCTTACAAGAATCTTCC
AATTTACTCTGAGAATATTATTGAAATGTACAGAGGGAAGAAGCGTCATGAGATGCCTCCACACATCTATG
CTATATCTGAATCTGCTTACAGATGCATGCTTCAAGATCGTGAGGACCAGTCAATTCTTTGCACGGGTGAG
TCAGGTGCTGGGAAGACAGAAAATACAAAGAAAGTTATTCAGTACCTTGCCCATGTTGCTTCTTCACATAA
AGGAAGAAAGGACCATAATATTCCTGGGGAACTTGAACGGCAGCTTTTGCAAGCAAATCCAATTCTGGAAT
CATTTGGAAATGCGAAGACTGTGAAAAATGATAACTCATCTCGTTTTGGCAAATTTATTCGGATCAACTTT

Table 6

GATGTAACTGGCTATATCGTTGGGGCCAACATTGAAACATACCTTCTGGAAAAGTCTCGTGCTGTTCGTCA
AGCAAAAGATGAACGTACTTTTCATATCTTTTACCAGTTGTTATCTGGAGCAGGAGAACACCTAAAGTCTG
ATTTGCTTCTTGAAGGATTTAATAACTACAGGTTTCTCTCCAATGGCTATATTCCTATTCCGGGACAGCAA
GACAAAGATAATTTCCAGGAGACCATGGAAGCAATGCACATAATGGGCTTCTCCCATGAAGAGATTCTGTC
AATGCTTAAAGTAGTATCTTCAGTGCTACAGTTTGGAAATATTTCTTTCAAAAAGGAGAGAAATACTGATC
AAGCTTCCATGCCAGAAAATACAGTTGCGCAGAAGCTCTGCCATCTTCTTGGGATGAATGTGATGGAGTTT
ACTCGGGCCATCCTGACTCCCCGGATCAAGGTCGGCCGAGACTATGTGCAAAAAGCCCAGACCAAAGAACA
GGCAGATTTTGCAGTAGAAGCATTGGCAAAAGCTACCTATGAGCGGCTCTTTCGCTGGCTCGTTCATCGCA
TCAATAAAGCTCTGGATAGGACCAAACGTCAGGGAGCATCTTTCATTGGAATCCTGGATATTGCTGGATTT
GAAATTTTTGAGCTGAACTCCTTTGAACAACTTTGCATCAACTACACCAATGAGAAGCTGCAGCAGCTGTT
CAACCACACCATGTTTATCCTAGAACAAGAGGAATACCAGCGCGAAGGCATCGAGTGGAACTTCATCGATT
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TTGGATGAAGAATGCTGGTTCCCTAAAGCCACAGATAAAACCTTTGTTGAAAAACTGGTTCAAGAGCAAGG
TTCCCACTCCAAGTTTCAGAAACCTCGACAATTAAAAGACAAAGCTGATTTTTGCATTATACATTATGCAG
GGAAGGTGGACTATAAGGCAGATGAGTGGCTGATGAAGAATATGGACCCCCTGAATGACAACGTGGCCACC
CTTTATACCGCTACGTACGAGACCCCCGTGGCAGATCTTTGGAAAGATGTGGACCGTATCGTGGGTCTGGA
TCAAGTCACTGGTATGACTGAGACAGCTTTTGGCTCCGCATATAAAACCAAGAAGGGCATGTTTCGTACCG
TTGGGCAACTCTACAAAGAATCTCTCACCAAGCTGATGGCAACTCTCCGAAACACCAACCCTAACTTTGTT
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CTGTAATGGTGTCCTGGAAGGGATCCGAATCTGTCGCCAGGGCTTCCCTAACCGAATAGTTTTCCAGGAAT
TCAGACAGAGATATGAGATCCTAACTCCAAATGCTATTCCTAAAGGTTTTATGGATGGTAAACAGGCCTGT
GAACGAATGATCCGGGCTTTAGAATTGGACCCAAACTTGTACAGAATTGGACAGAGCAAGATATTTTTCAG
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CCGTTTGCAGAGGTTACCTGGCCAGAAAGGCCTTTGCCAAGAAGCAGCAGCAACTAAGTGCCTTAAAGGTC
TTGCAGCGGAACTGTGCCGCGTACCTGAAATTACGGCACTGGCAGTGGTGGCGAGTCTTCACAAAGGTGAA
GCCGCTTCTACAAGTGACTCGCCAGGAGGAAGAACTTCAGGCCAAAGATGAAGAGCTGTTGAAGGTGACGG
AAAGCAGACACCGGTGGCAAGGAGACCTGGACGACATTGAGCGGAAGCACCCAGCAGGCTTCACGACGCAC
ACAGACATATCCTTGCACGAAGCCACTACCAGACAAAAACGGAACCCCTGGATGAACCCAAAGACGATCAC
AGGCACGCCTCGCCCGCTAACACACCACACCTAACAACAATCCCACATGACCGCACCCTCGAGNNN

Table1 5252

ATCGAGACCATCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAAATTGGCCAG
GCGTGGTGGCGGGTGCCTGTACTCCCAGCTACTCGGGAGGCTGAGGCAAGAGAATGGCATGAACCCAGGAG
GCGGAGCTTGCAGTGAGCTGAGATCGCGCCACTGCACTCCTGCCTGGGTGACAGAGTGAGACTCCATCTCA
AAAAAAAAAAACAAAAACAACAACAACAACAACAAAAAACAACCAGAGAAATAGCACTTGTTAACTACAAT
TGTGACTCTAGGTAAACTTGGGCCTTAATATGGTTAGACAAGAAGGGTTTTAGGTAACTTGCCTTTTTAGA
TCCTATTTAGGCTTATTAGTCTATATTCTACATTCTTGCACGATGGAAATTACTAGAGAAGTGGGATAATT
CTTTGTTGTGGGGAAAATAAAATTTGTTGTGAAAATATACTGTATTTTAAAATATTTAGAAAGATTATAAA
TAACTGGAGAAAAGATAATTTCATATACTAATATGATGGAATTAGCCTAGCAGATGTTAAAAATCCTTTCT
GAAAATTATAATCTAAAATTATTTGGGAAATTACAATGGAACTGAATAATCTGTACGTTGGTATATTAAAG
CCATTTTTATATTGTGAAAATAACTACTTTACATGTATCCACTAAGATCCAGGAAAATGGGCATTGGTTCT
GAATTGAGAAAATATTAAAAGAGAN

Table1 5253

CCGGGCAGGACGCGGGGCTCTTTCCCTCGGAGCGGGCGGCGGCGTTGGCGGCTTGTGCAGCAATG
GCCAAGATCAAGGCTCGAGATCTTCGCGGGAAGAAGAAGGAGGAGCTGCTGAAACAGCTGGACGACCTGAA
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TCGTCCGGAAATCCATTGCCCGTGTTCTCACAGTTATTAACCAGACTCAGAAAGAAAACCTCAGGAAATTC
TACAAGGGCAAGAAGTACatAGCCCTGGACCTGCGGCCTAAGAAGACACGTGCCATGCGCCGCCGGCTCAA
CAAGCACGAGGAGAACCTGAAGACCAAGAAGCAGCAGCGGAAGGAGCGGCTGTACGATCTACAGAGAAAAC
CTTTATCAAAATGAGGACATTCCTTTTAAACTTTGTTTCTCGGCAGTTTTTATCATAACGATGTTTAATGC
TGTCAAATGTCTCCTTCTGTATCTgttgAGATGATTATACAACTTTCTTCATTCtgacagTgAATTACAtt
ggtttcaTTTTCAACTTTTAAACTAACtTTACAtcccTGAGATAAACCCCACttggttgtggtgCAttgtc
ctttggAATAttgctagagtTGATTTCTaggttTTTTTTTTTTTAagattTCTATAttggtgttgatGga
gatattggACttttgtatccttttcttgtaatgtc

Table1 5256

ACGGGGATTGCAGCGGGCCTCGGGGCTAAGAGCGCGACGCGGCCTAGAGCGGCAGACGGCGCAGT
GGGCCGAGAAGGAGGCGCAGCAGCCGCCCTGGCCCGTCATGGAGATGGAAAAGGAGTTCGAGCAGATCGAC
AAGTCCGGGAGCTGGGCGGCCATTTACCAGGATATCCGACATGAAGCCAGTGACTTCCCATGTAGAGTGGC
CAAGCTTCCTAAGAACAAAAACCGAAATAGGTACGCGGGAGCAAAGAGCAGATCAACTCCCAGACCCCAGG
CAACCTCCTCCACCTCTTCTTCACCGATGTCCGGCCGCCACCGCGGTGGAGCN

Table1 5258

NNNCAAACATCCTGTGAAAAGCAGAGCTGGATTAGGCAGAGGTAGAAGTCACCCTGCAATGCCAG
CTGAAGGATAGCCTTGGCTAAGCCCATAAGGAGGTCTGGAATAGTTTCTCAGAATTGTCCTACGTTAGACT
GAGATGTCCAGGTCTCTGTACCCTCACATCAATCAGTCACTGAATGTGTGGCATTCTAGAAAGGGACATGA
CCTTGAGCAAGGGGGCTGTCTACAGCTGAGGCAATCCTTGAAGGGGCTGACAGATGAAGATTGTCTGCAGA

Table 6
951/3331

GAGCCTTCCCTGCAGCTGGAGCAAAAAGTCCTTCATTGACCGTGAATCTGGACAGCTCATCTGGTGCCCAG
CACAAATATATTTTACTTTAGAGTAAAATTCTGTGGGGGAAGATGGACAATATACAAGTTCAAGAAAAAAA
AAGAGATGACAAAATTTTGACTGTAAAGAACAGCATGTTCATGTATTTTTTAAAATTGATGATGTTGAATA
GTAAATAAATACAGTATTTAAATCCTTTGGATCAATCCANAANAAAAAAAAAAAAAAAAAAAGGTACCTCG
GCCGCTCN
Table1 5259
tATAGGGAGTCGACCCACGCGTCCgttCACACTCCGGCGGAGCTCCTGCCACAGCCGTCGCCTTC
GCGGCGGCTCTCCAGCCCCGCGCCTCAGCCTCGGCGCCGCATCACCGCGTCCCAGGCCTCCTTCCCTCCCT
CTGCCACTCCCCCTCCCTTTCCCGCTCTTCTTGCCCACCCGGCCGGCAGAGAGAGCCTGGATACGAAGCAG
GCGGGCTTCAGAGTGGGTTGGAAAAATGGAGGTGCCGCGCCTGGATCATGCCCTCAACAGCCCCACCAGCC
CCTGTGAGGAGGTGATCAAAAACCTCAGCCTGGAGGCCATTCAGCTGTGCGACCGGGACGGGAACAAATCA
CAAGACAGTGGCATAGCAGAGATGGAAGAACTTCCTGTACCACATAACATCAAAATAAGCAATATAACGTG
TGACTCATTCAAGATTTCATGGGAAATGGATTCAAAATCAAAGGATCGCATTACACACTATTTTATTGACC
TCAACAAGAAAGAGAACAAGAACTCCAATAAATTTAAACACAAGGATGTTCCCACAAAATTGGTGGCAAAA
GCTGTTCCCTTGCCTATGACTGTCCGTGGACACTGGTTTTTAAGCCCAAGAACTGAATATACAGTAGCAGT
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CCGCAGACTATTCAAAAGTTCATCTAACACAATTGTTGGAGAAGGCTGAAGTGATTGCAGGACGCATGCTT
AAGTTTTCTGTTTTTTATCGTAATCAGCACAAAGAATATTTTGACTATGTTCGAGAACATCATGGGAATGC
TATGCAGCCATCTGTCAAGGATAACAGTGGTAGCCATGGCTCTCCTATCAGTGGAAAATTAGAAGGCATCT
TCTTCAGCTGCAGCACTGAATTCAATACTGGAAAGCCACCCCAGGATTCACCTTATGGAAGATACAGGTTT
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TGCTTATCATTATGTGATTCTTGTTATTGCTCCTGTGGGATCACCAGGAGATGAATTTTGTAAGCAGCGCC
TTCCTCAACTAAATTCTAAGGATAATAAATTTTTGACCTGTACAGAAGAAGATGGGGTGCTGGTTTACCAC
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ATATCAGTGTTGGACGTTAATGCCCACTTTTCTTATTCTTACTCAGCCCCTTTTCCTCCCTTAGGAGCATT
GGTCCTCTGTTGTCCATTTTTATCACCAGATGTTTTCCACTGAAGCATGCACATGCCACTGTCACCAAAAC
AAACAACTACCACTTTCCAAATTTCATTCAGAACCATTTTAGTGTTTTCCTATTCCCTACCCCTCCCACTA
CTTTCAATGATGAAATACCCTAAGTTAAGTTCTCCTTTTGACACTTTATTGCCTAGATGCTGCAATGTTTT
TATGTTTCCTTTATGCCAAACATAACAAAACAGTTATATAGACTGCTTTAGCAAAGTACACAATAATGGCT
TATAAATGGTGTTTAAATATGCATTCATTTTAATCTACTGAACAAATATTGGGATAACTCCAAACCGCATG
AAAGGGTGTAATTGCAGCATGAGTTAAATCTTGAAGCCTAGAATTGTCAGCACTTCCAACTTCTTGTTTGA
CAGTGTTATTTATGTTATTTATATTAGCTAACAGGAAACAACTACTGTGTTTCAACATAATAAATATAATA
GAAAAATATTTTATTTGTATTGTTGTATAAAATATTTACAATCATATAGAATATATAGAGTTACATTTTAA
TAGCAACTGTGTACATGTCACGAAACCATTTCCCTTATCAAAGATGTAATTTGTAAACCTCAAATAGTTGT
GTATCTGTCCTGTTAGAAGTAGATGACTTCAATTAAACAAATTTATGAAGGACATTATTCTGATTCATAAA
AGTTATAAAATATTAGGTAAATACAGAGAAAACAATAAGCCTCTGAAATAAGTCTGTTTCTGAAATAGTCA
ATAGTCTTCCCATCCAAACTATAAGAGAATGTGAATTTCTTCAACATCATACTTAAACATTACAGAAAATA
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TTCTTTTTCAAGGTATCAGGGCAAACAATTTCCAAACTTTTCATTTTGTACAGAAGGATGAATAACTACAG
CTCATGGGAAATGTTTTGACTTTACAAAGTATAGATGTTGGAACATTAAGAAAAATGTATATTCCCAATGA
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CTACAGACACATATCTATCCAAAATACCTATTTTAAATTTTTAATACAATATTTTATTTTAATATAAACAT
CTGTCAGTTATAGACAAAGATAATAATTCACAAAGTACATGCTATCAGAATGAACTTTGGTAACCAGAAAT
GTAAAATTTCAAATAACGGATAAAATAATGTGTTATTTTTATAGAGAAAGAAAAAAAATAGCAACACAATC
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ATCCATTAGAAGTTTCAAATAAATTGCTTTCTTGCTAGCTGTATTCCTTCCTACTTGAAAAGCGAATTTCT
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ATACTTGTATTGACTATGAGTTTTCTGCTTGGCATGGAGGACACTGAATTTTTTCCCAATTATATGGCTAC
CTGTTGTATTCTTCCCCCCGTTTAAATCCCTTCTCCTTGTATATAATTAAACTTGCTATTCCTTCTTAAAA
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CATCTTGCTTGCTGATGAGGACCTCTAATAGTCTCAGTTTGGCTTTTATGTGCTTATATTCATAATACTCA
TCTGCCATTGGTATCCTATCTTCCTTTTGTGGACTTCTTCCTGTTTGTTTAAAAAACTGTTCTTCAAATTC
TCTTAAGGCTTTCCGCAGTCTCTTCTTGTCAGCCCTAGTTTCTCGGAGATGGTCAAGAAGTACAGGCATGG
TAGCCTCATGTAAATTAGACATGGAGAGAGCTGGTGGTTTTACTTCTTTCTTTTCATCTGGTAAAAGGGCC
CTAACAGGCTCAGTCTCATTAGAGTAGGTGAGGTGGTCACCAACAGGAAGGTGAGATGCTGGATCTGCCAA
AGAAGGTTGTTGGCTTCCCTGTGGACGGTCTTCATCAGAGTCCTCTTCCTCCTGAATTGTTGGAATAAGGG
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TGGAGTCTCTTCTCCAGAGGAGCTTGGCTCCGGGCCCGCAGCTTCCGGTTTCCCATTTTCTCTGGGGACTG
TGGGTTGCTCACACAACAGGTTTCTAGGTGGACCTTtTgGGAGCACTCccTTgTtcttctgACAgctTTAGC

Table 6
952/3331

TTTAGTTCtctGAGCTGtttACgACCTTTAGCCAAATCATTCATCCATTTCAGGActtcAGGATTAGAAGt
cTTGTCACCATGTGAAGGCCGGTATTTCTTTtcttgTTCACTCGTGCC
Table1 5260
NNNNNGGCCTACTGGCTTCGCGCCGGCCCTTCCGCGGGTGATCAGCTGGTCTGCGCTCCCCTGAC
GTGGGCTGGGGCACGTCACCGCCGAATGGCAGCCTCCAGAAAGCCACCGCGAGTAAGGGTGAATCACCAGG
ATTTTCAACTGAGAAATTTAAGAATAATTGAACCTAACGAGGTGACACACTCAGGAGACACAGGTGTGGAA
ACAGACGGCAGAATGCCTCCAAAGGTGACTTCAGAGCTGCTTCGGCAGCTGAGACAAGCCATGAGGAACTC
TGAGTATGTGACCGAACCGATCCAGGCCTACATCATCCCATCGGGAGATGCTCATCAGAGTGAGTATATTG
CTCCATGTGACTGTCGGCGGGCTTTTGTCTCTGGATTCGATGGCTCTGCGGGCACAGCCATCATCACAGAA
GAGCATGCAGCCATGTGGACTGACGGGCGCTACTTTCTCCAGGCTGCCAAGCAAATGGACAGCAACTGGAC
ACTTATGAAGATGGGTCTGAAGGACACACCAACTCAGGAAGACTGGCTGGTGAGTGTGCTTCCTGAAGGAT
CCAGGGTTGGTGTGGACCCCTTGATCATTCCTACAGATTATTGGAAGAAAATGGCCAAAGTTCTGAGAAGT
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TTGCAAGCCTCTCCTCACACTGGGCCTGGATTACACAGGCATCTCCTGGAAGGACAAGGTTGCAGACCTTC
GGTTGAAAATGGCTGAGAGGAACGTCATGTGGTTTGTGGTCACTGCCTTGGATGAGATTGCGTGGCTATTT
AATCTCCGAGGATCAGATGTGGAGCACAATCCAGTATTTTTCTCCTACGCAATCATAGGACTAGAGACGAT
CATGCTCTTCATTGATGGTGACCGCATAGACGCCCCCAGTGTGAAGGAGCACCTGCTTCTTGACTTGGGTC
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GACCTCTCCCCAAGGGAGAAGGTGTGGGTCAGTGACAAGGCCAGCTATGCTGTGAGCGAGACCATCCCCAA
GGACCACCGCTGCTGTATGCCTTACACCCCCATCTGCATCGCCAAAGCTGTGAAGAATTCAGCTGAGTCAG
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CTTTGTGGACCTGAGCTTCCCAACAATTTCCAGTACGGGACCCAACGGCGCCATCATTCACTACGCGCCAG
TCCCTGAGACGAATAGGACCTTGTCCCTGGATGAGGTGTACCTTATTGACTCGGGTGCTCAATACAAGGAT
GGCACCACAGATGTGACGCGGACAATGCATTTTGGGACCCCTACAGCCTACGAGAAGGAATGCTTCACATA
TGTCCTCAAGGGCCACATAGCTGTGAGTGCAGCCGTTTTCCCGACTGGAACCAAAGGTCACCTTCTTGACT
CCTTTGCCCGTTCAGCTTTATGGGATTCAGGCCTAGATTACTTGCACGGGACTGGACATGGTGTTGGGTCT
TTTTTGAATGTCCATGAGGGTCCTTGCGGCATCAGTTACAAAACATTCTCTGATGAGCCCTTGGAGGCAGG
CATGATTGTCACTGATGAGCCCGGGTACTATGAAGATGGGGCTTTTGGAATTCGCATTGAGAATGTTGTCC
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GTTCCAATTCAGACCAAAATGATAGATGTGGATTCTCTTACAGACAAAGAGTGCGACTGGCTCAACAATTA
CCACCTGACCTGCAGGGATGTGATTGGGAAGGAATTGCAGAAACAGGGCCGCCAGGAAGCTCTCGAGTGGC
TCATCAGAGAGACGCAACCCATCTCCAAACAGCTTAATAAATCCTCCCGGTTTGTTTTTGTAAAAGCCTGG
GGAGGAAGAAACGTGGCAATCCCGACATCTTTCCCTTCTTTCTTCTTCCACCACCCCTTTTTACTTTAGAC
TCACTGAGACAGAATCTACCTAGAGATTGGACACGCTAGGTGATGGGACGAAAATCGAGAAGGACAAGAAT
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Table1 5262
NNAAACATCAGCAAACACACAACATAGAGAAAGCCCATGAATGCACTGACTGTGGGAAAGCTTTC
CTCAAGAAGTCTCAGCTCACTGAGCATAAGAGAATTCATACAGGAAAGAAACCCCACGTGTGTAGCTTGTG
TGGGAAAGCCTTCTACAAGAAGTACAGGCTCACTGAACACGAGAGAGCTCACAGAGGAGAGAAACCCCACG
GGTGTAGCTTGTGTGGGAAAGCCTTCTACAAGAGGTACAGGCTCACTGAACACGAGAGAGCTCACAAAGGA
GAGAAACCATACGGGTGCAGTGAATGTGGGAAAGCCTTCCCCAGGAAATCTGAGCTTACTGAACATCAAAG
GATTCACACGGGAATTAAGCCCCATCAATGCAGCGAATGTGGGAGAGCTTTCTCCAGAAAATCACTACTCG
TTGTACATCAGCGAACTCATACAGGAGAGAAGCCTCATACATGCAGTGAATGTGGAAAAGGCTTCATTCAG
AAGGGCAATCTCAACATACATCAACGAACTCACACTGGAGAGAAACCTTATGGATGCATTGACTGTGGCAA
GGCCTTCAGCCAGAAGTCTTGCCTTGTAGCACATCAGAGATATCATACAGGAAAGACTCCCTTTGTATGTC
CTGAATGTGGGCAACCCTGTTCACAGAAGTCAGGACTCATTAGACATCAGAAAATTCACTCAGGAGAGAAA
CCCTATAAATGCAGTGACTGTGGGAAAGCCTTCCTTACAAAGACAATGCTCATTGTACATCACAGAACTCA
CACGGGAGAGAGACCCTATGGCTGTGATGAGTGTGAGAAAGCTTACTTCTATATGTCTTGCCTTGTTAAAC
ATAAGAGAATACACTCAAGGGAGAAACGGGGGGATTCAGTGAAGGTGGAAAATCCTTCCACAGCAAGTCAC
AGCTTAAGTCCTAGTGAACATGTGCAGGGGAAAAGCCCTGTTAATATGGTAACTGTGGCAATGGTGGCAGG
GCAGTGTGAGTTTGCCCACATCCTGCATTCATGATAAACAGTTTGCTGTTTGATCATATAGCCTNCAGCGG
AATGCTGAGTTTGTCATGTCCCATGGGCCTTTTGCTCCCTGCACNN
Table1 5267
NCGTCCGAAACGATCTCAAGAGCTGCACTTAAGCATCTAGAATTTTCTGCGTCACACCTCTTGAG
AGAAGAGACTGGCTCCAGGTCTGACTCAGTCCACTACAAGCTAGACGGTCTTCTTAAAGCACCAACATTAC
TTGAGTCTTTGGATAAAATTGAGAAAAGAGTCTACAAGTATTGTGGACTCTACAGGAGGCAGGAGGCTGAC
AACTGGCAGTAAAGACAAAGATGTCAGGCCTGCGGCCCGGCACTCAAGTGGACCCTGAGATTGAGCTTTTT
GTAAAGGCTGGAAGTGATGGAGAGAGTATTGGAAACTGTCCCTTTTGCCAACGCCTTTTCATGATCCTCTG
GCTTAAAGGAGTTAAATTTAATGTGACAACTGTTGACATGACCAGAAAGCCTGAAGAACTAAAGGACTTAG
CCCCAGGTACCAATCCTCCGTTCCTGGTGTATAACAAGGAGTTGAAAACAGACTTCATTAAAATTGAGGAG
TTTTTAGAACAAACCCTGGCTCCTCCAAGGTACCCTCACCTGAGTCCCAAGTACAAGGAGTCTTTTGATGT
GGGCTGTAACCTCTTTGCCAAGTTTTCTGCATACATTAAGAATACACAAAAGGAGGCAAATAAGAATTTTG
AAAAATCTCTGCTCAAAGAATTCAAGCGTCTGGATGACTACTTAAACACCCCACTTCTGGATGAAATTGAT

Table 6
953/3331

CCAGACAGTGCTGAGGAACCCCCAGTTTCCAGAAGACTATTCTTGGATGGGGACCAGCTAACACTGGCTGA
TTGTAGCTTGTTACCCAAGCTGAACATTATTAAAGTTGCTGCCAAGAAATATCGTGACTTTGACATTCCAG
CAGAATTCTCAGGAGTCTGGCGTTATCTCCACAATGCCTATGCCCGTGAAGAATTTACCCACACGTGTCCT
GAAGACAAAGAAATTGAAAATACTTACGCAAATGTGGCTAAACAGAAGAGTTAGGAGAGCTCTTACAGGAG
AAAAGGCTATATTTGTGATCAGATTTTACTTATTGACATATTAGAAAGGTTTTTGCAAATAAGAATATGAA
AAATACTGTTTCTTCTATCCAACTCTCTTATGAAAAGGAACTCTGTATTTTCTATTAGCCATAAATAATCT
GTCCACTGTATTTTACAGGTCTTCATACTTTTACTTAATTTTCTTTATCTGTATGGCAAACCACTGCAATC
CTGAATGACATGGAAAGCATCACAATCTTTTGCCCTTTGCTTGAATTCCTGGAATGCATACATATAAGCTA
AACAGATGTCTGCAGTTATAAATGTCATAAGTAGAGGTACAATCTCACCCTGCTCCTTAGAAACATTTCCA
TATAAATCGCTAAAATAATTTCACATTTTTGTTAGTTTAATATATACATGAGTTTATTTCTGATATAAATA
ATAAATACAGAGAGTGAGCATATCAGAGAGGCAAATTCTTAAAGAATGATTTTTAAAATCAGCTCTAGGAA
GAGCTCAAGATCAATTGGTCATAGAACAGCATTTGACGCCTAGAACTATGACCACCTCATGGTCAGAGATG
AGAATGTAGCCTTTGTGACCAGATTATATTATTTTTAAATGAAGAAGCACTCATTAAATAAAACATAATTT
TAAAAAACAATATAAGAAACAAAGTCAACTGAATCTTTTATTCATAGAAATGAAAAGGAAAATAAAAACTG
TGGTGAANNNNNNNNNNNNNNNNN
Table1 5268
tATAGGGAGTCGACCCACGCGTCCGGCGGCGCGCGGTGCGCGGTGCGTAGTCTGGAGCTATGGTG
GTGGTGGCAGCCGCGCCGAACCCGGCCGACGGGACCCCTAAAGTTCTGCTTCTGTCGGGGCAGCCCGCCTC
CGCCGCCGGAGCCCCGGCCGGCCAGGCCCTGCCGCTCATGGTGCCAGCCCAGAGAGGGGCCAGCCCGGAGG
CAGCGAGCGGGGGGCTGCCCCAGGCGCGCAAGCGACAGCGCCTCACGCACCTGAGCCCCGAGGAGAAGGCG
CTGAGGAGGAAACTGAAAAACAGAGTAGCAGCTCAGACTGCCAGAGATCGAAAGAAGGCTCGAATGAGTGA
GCTGGAACAGCAAGTGGTAGATTTAGAAGAAGAGAACCAAAAACTTTTGCTAGAAAATCAGCTTTTACGAG
AGAAAACTCATGGCCTTGTAGTTGAGAACCAGGAGTTAAGACAGCGCTTGGGGATGGATGCCCTGGTTGCT
GAAGAGGAGGCGGAAGCCAAGGGGAATGAAGTGAGGCCAGTGGCCGGGTCTGCTGAGTCCGCAGCACTCAG
ACTACGTGCACCTCTGCAGCAGGTGCAGGCCCAGTTGTCACCCCTCCAGAACATCTCCCCATGGATTCTGG
CGGTATTGACTCTTCAGATTCAGAGTCTGATATCCTGTTGGGCATTCTGGACAACTTGGACCCAGTCATGT
TCTTCAAATGCCCTTCCCCAGAGCCTGCCAGCCTGGAGGAGCTCCCAGAGGTCTACCCAGAAGGACCCAGT
TCCTTACCAGCCTCCCTTTCTCTGTCAGTGGGGACGTCATCAGCCAAGCTGGAAGCCATTAATGAACTAAT
TCGTTTTGACCACATATATACCAAGCCCCTAGTCTTAGAGATACCCTCTGAGACAGAGAGCCAAGCTAATG
TGGTAGTGAAAAtcgaggaaccaCCTCTcagcccctcaagagaatgatcaccctggagtaGAATTCCCTTC
ACCATCCCAGGGACTCCTCCAAAATGGACTATGCCCTGTTGGCCACTTCAAACCCAGCAGCCCTTCCCCAT
CCCCACTCAGCCCTGCACAGGGGGTGCCAGGAAGTCAACACCAGGGGAAGAGTGGGCATGAGCAGGCTGAG
CCAGGGACCCTCCTACTACCCTGGAAACCTGGGTGAGCCTGGAGTCGTGGAGGGGCCCCAGACTCCTCAGA
ACATGGCACTTTTCCGTCTCTGCTGAGCGAGCCAGCTGCTGGGATTCATGTCCATCTGCAGCATCTTCATC
ACCCACTTGTCCCGACGGGCACCTTCAACAAACTCGTTCAGAGACAGCTGGCCATCTCCATTCTCATCCAC
CAGGAGGAAGATCCTGTCCACGACCTCCTCGGGTGTGAGCAGCTGGCCTTGCTCAGTTTGTAGCTCTCGCC
GGCAGGCTTTCTTCagttgGTAAATtccctCCACAATGTTGAGTagctccagncgtcgatgncaatcggat
ctcaaatgtcgncaagtggaa
Table1 5269
agattaggtccaagcgcccgcccagaggcaggcagtccgcgagcccagccgccgctgtcgccgcc
agtagcagccttcgccagcagcgccgcggcggaaccgggcgcaggggagcgagcccggccccgccagccca
gcccagcccagcccagccctactccctccccacgccagggcagcagccgttgctcagagagaaggtggagg
aagaaatccagaccctagcacgcgcgcaccatcatggaccattatgattctcagcaaaccaacgattacat
gcagccagaagaggactgggaccgggacctgctcctggacccggcctgggagaagcagcagagaaagccat
catgacttacgtgtctagcttctaccacgccttctctggagcccagaaggcggagacaGCAGCcaatcgca
tCTGcaagGTGTTGGCCGTCAACCAGGAGAACGAGCAGCTTATGGAAGACTACGAGAAGCTGGCCAGTGAT
CTGTTGGAGTGGATCCGCCGCACAATCCCGTGGCTGGAGAACCGGGTGCCCGAGAACACCATGCATGCCAT
GCAACAGAAGCTGGAGGACTTCCGGGACTACCGGCGCCTGCACAAGCCGCCCAAGGTGCAGGAGAAGTGCC
AGCTGGAGATCAACTTCAACACGCTGCAGACCAAGCTGCGGCTCAGCAACCGGCCTGCCTTCATGCCCTCT
GAGGGCAGGATGGTCTCGGACATCAACAATGCCTGGGGCTGCCTGGAGCAGGTGGAGAAGGGCTATGAGGA
GTGGTTGCTGAATGAGATCCGGAGGCTGGAGCGACTGGACCACCTGGCAGAGAAGTTCCGGCAGAAGGCCT
CCATCCACGAGGCCTGGACTGACGGCAAAGAGGCCATGCTGCGACAGAAGGACTATGAGACCGCCACCCTC
TCGGAGATCAAGGCCCTGCTCAAGAAGCATGAGGCCTTCGAGAGTGACCTGGCTGCCCACCAGGACCGTGT
GGAGCAGATTGCCGCCATCGCACAGGAGCTCAATGAGCTGGACTATTATGACTCACCCAGTGTCAACGCCC
GTTGCCAAAAGATCTGTGACCAGTGGGACAATCTGGGGGCCCTAACTCAGAAGCGAAGGGAAGCTCTGGAG
CGGACCGAGAAACTGCTGGAGACCATTGACCAGCTGTACTTGGAGTATGCCAAGCGGGCTGCACCCTTCAA
CAACTGGATGGAGGGGGCCATGGAGGACCTGCAGGACACCTTCATTGTGCACACCATTGAGGAGATCCAGG
GACTGACCACAGCCCATGAGCAGTTCAAGGCCACCCTCCCTGATGCCGACAAGGAGCGCCTGGCCATCCTG
GGCATCCACAATGAGGTGTCCAAGATTGTCCAGACCTACCACGTCAATATGGCGGGCACCAACCCCTACAC
AACCATCACGCCTCAGGAGATCAATGGCAAATGGGACCACGTGCGGCAGCTGGTGCCTCGGAGGGACCAAG
CTCTGACGGAGGAGCATGCCCGACAGCAGCACAATGAGAGGCTACGCAAGCAGTTTGGAGCCCAGGCCAAT
GTCATCGGGCCCTGGATCCAGACCAAGATGGAGGAGATCGGGAGGATCTCCATTGAGATGCATGGGACCCT
GGAGGACCAGCTCAGCCACCTGCGGCAGTATGAGAAAAGCATCGTCAACTACAAGCCAAAGATTGATCAGC
TGGAGGGCGACCACCAGCTCATCCAGGAGGCGCTCATCTTCGACAACAAGCACACCAACTACACCATGGAG

Table 6

CTCACCCGGGTGGAGGCTGGGAGCAGCTGCTCACCACCATCGCCAGGACCATCAATGAGGTAGAGAACCAG
ATCCTGACCCGGGATGCCAAGGGCATCAggcCAGGAGCAGATGAATGAGTTCCGGGCCTCCTTCAACCACT
TTGACCGGAAGAAGACAGGCATGATGGACACGGATGATTTCCGCGCCTGCCTGATCTCCATGGGTTACAAC
ATGGGAGAAGCAGAATTTGCCCGCATCATGAGCATTGTGGACCCCAACCGCCTGGGGGTAGTGACATTCCA
GGCCTTCATTGACTTCTTGTCCCGCGAGACAGCCGACACAGATACAGCAGACCAAGTCATGGCTTCCTTCA
AGATCCTGGCTGGGGACAAGAACTACATTACCATGGACGAGCTGCGCCGCGAGCTGCCACCCGACCAGGCT
GAGTACTGCATCGCGCGGATGGCCCCCTACACCGGCCCCGACTCCGTGCCAGGTGCTCTGGACTACATGTC
CTTCTCCACGGCGCTGTACGGCGAGAGTGACCTCTAATCCACCCCGCCCGGCCGCCCTCGTCTTGTGCGCC
GTGCCCTGCCTTGCACCTCCGCCGTCGCCCATCTCCTGCCTGGGTTCGGTTTCAGCTCCTAGCCTCCACCC
GGGTGAGCTGGGGCCCACGTGGCATCGATCCTCCCTGCCCGCGAAGTGACAGTTTACAAAATTATTTTCTG
CAAAAAAGAAAAAAATCTTAAGTTAAAAACCAAAAAACTACATATTTTATTATAGAAAAAGTATTTTTTCT
CCACCAGACAAATGGAAAAAAAGAGGAAAGATTAACTATTTGCACCGAAATGTCTTGTTTTGTTGCGACAT
AGGAAAATAACCAAGCACAAAGTTATATTCCATCCTTTTTACTGATTTTTTTTTCTTCTATCTGTTCCATC
TGCTGTATTCATTTCTCCAATCTCATGTCCATTTTGGTGTGGGAGTCGGGGTAGGGGGTACTCTTGTCAAA
AGGCACATTGGTGCATGTGTGTTTGCTAGCTCACTTGTCCATGAAAATATTTTATGATATTAAAGAAAATC
TTTTGAAATGGCTGTTTTTTAAGGAAGAGAATTTATGTGGCTTCTCATTTTTAAATCCCCTCAGAGGTGTG
ACTAGTCTCTTTATCAGCACACACTTAAAAAATTTTTAATATTGTCTATTAAAAATAGGACAAACTTGGAG
AGTATGGACAACTTTGATATTGCTTGGCACAGATGGTATTAAAAAAACCACACTCCTATGACaAAAAAAAA
AAAAA

Table1 5271

NNNGACCCACGCGTCCGGGGGCCGTCCCGTGGGGCGGCGTGGGCTGCTGCCTTGGAAACGCGGAG
CGCGCGCTCCCAGCGAAAGCAGCAGGGCAGGGATCTGCGTTGGAGGAAGGGACTGCTCTGGTGCTAGAATG
CTGTGCGTCGGAAGGCTGGGCGGCTTGGGAGCCAGAGCAGCAGCTCTGCCGCCCCCGCCGGGCGGGCCGGGG
AAGCCTCGAAGCCGGGATCCGGGCCCGAAGGGTCAGCACCAGCTGGTCTCCCGTGGGCGCCGCCTTCAATG
TCAAGCCCCAGGGCAGCCGCTTGGACCTGTTCGGCGAGCGCCGGGGTCTTTTTGGAGTTCCTGAGCTGAGT
GCCCCAGAAGGATTTCATATTGCACAAGAAAAAGCCTTGAGAAAGACAGAATTGCTTGTGGACCGTGCATG
TTCCACCCCACCTGGGCCCCAGACCGTGCTGATCTTCGATGAGCTCTCGGATTCCTTATGCAGAGTGGCCG
ACTTGGCTGATTTTGTGAAAATCGCTCACCCTGAGCCAGCATTCAGAGAAGCTGCGGAAGAAGCTTGTAGA
AGTATTGGCACCATGGTAGAGAAGTTGAACACAAATGTGGATTTATATCAAAGTTTGCAAAAATTACTAGC
TGATAAAAAACTTGTGGATTCCCTTGATCCAGAAACAAGGCGAGTGGCTGAACTGTTTATGTTTGATTTTG
AAATTAGTGGAATCCATCTAGACAAAGAAAAGCGTAAAAGAGCAGTGGACCTCAATGTTAAAATCTTGGAT
TTGAGTAGTACATTTCTTATGGGAACCAATTTTCCCAACAAGATTGAGAAGCATCTCTTACCAGAACACAT
TCGTCGTAACTTTACATCTGCTGGGGATCATATCATAATTGATGGTCTCCACGCAGAATCACCAGATGACT
TGGTGCGAGAAGCTGCTTATAAAATTTTTCTTTATCCCAATGCTGGTCAATTGAAATGTTTAGAAGAATTG
CTCAGCAGCAGAGATCTTCTGGCAAAGTTGGTGGGGTATTCCACGTTTTCTCACAGGGCTCTCCAAGGAAC
GATAGCTAAAAATCCAGAGACTGTCATGCAGTTCCTTGAAAAACTATCTGACAAACTTTCTGAAAGAACTC
TGAAAGATTTTGAGATGATACGAGGGATGAAAATGAAACTGAATCCTCAAAATTCCGAAGTAATGCCCTGG
GACCCCCCTTACTACAGTGGTGTGATTCGTGCAGAAAGGTATAATATTGAGCCCAGCCTATATTGCCCGTT
TTTCTCTCTTGGAGCATGCATGGAAGGCCTGAATATTTTGCTTAACAGACTGTTGGGGATTTCATTATATG
CAGAGCAGCCTGCAAAAGGAGAGGTGTGGAGCGAAGATGTCCGAAAACTGGCTGTTGTTCATGAATCTGAA
GGATTGTTGGGGTACATTTACTGTGATTTTTTTCAGCGAGCAGACAAACCACATCAGGATTGCCATTTCAC
TATCCGTGGAGGCAGACTAAAGGAAGATGGAGACTATCAACTCCCAGTTGTAGTTCTTATGCTGAATCTTC
CCCGTTCCTCAAGGAGTTCTCCAACTTTGCTAACTCCTGGCATGATGGAAAATCTTTTCCATGAAATGGGA
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TGCTGAGGTTCCTTCTATTCTGATGGAGTACTTTGCAAATGATTATCGAGTAGTTAACCAATTTGCCAGAC
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GCAGCTGATATGCAACTTCAGGTCTTTTATGCCACTCTGGATCAAATCTACCATGGGAAGCATCCCCTGAG
GAATTCAACCACAGACATTCTCAAGGAAACACAAGAGAAATTCTATGGCCTACCATATGTTCCAAATACTG
CCTGGCAGCTGCGATTCAGCCACCTCGTGGGGTATGGTGCTAGATATTACTCTTACCTCATGTCCAGAGCG
GTCGCCTCCATGGTTTGGAAGGAGTGTTTTCTACAGGATCCTTTCAACAGGGCTGCCGGGGAGCGCTATCG
CAGGGAGATGCTGGCCCACGGTGGAGGCAGGGAGCCCATGCTCATGGTTGAAGGTATGCTTCAGAAGTGTC
CTTCTGTTGATGACTTCGTAAGTGCCCTCGTTTCCGACTTGGATCTGGACTTCGAAACTTTCCTCATGGAT
TCTGAATAAAAGAAACACTCTACACCTCTTAAATCAAGGTCATGTAGATAATGACTTTGTTATAAATGCTA
CAGCTGTGAGAGCTTGTTTCTGATTTCATTGTTCGCTTCTGTAATTCTGAAAAACTTTAAACTGGTAGAAC
TTGGAATAAATAATTTGTTTTAATTAAAAAAAAAAAAAAAAGGGCGGCCGCTAGACTAGTCTANN

Table1 5272

GCGTCCGCGGACGCGTGGGCGCGGGGCGCCGGCTGCTCTGGCGGCTCCCGCGGCTCCGGCTGGCG
GCTTCGGGCCCTGCACCTGTGACTCTCGGCCGCGCTCGCCCTCGGCCCGCCCGGCGCCGCAGCCCCATGGC
CCCGTCCAGGCTGCAGCTCGGCCTCCGCGCCGCCTACTCCGGCATCAGCTCCGTGGCCGGCTTCTCCATCT
TCCTCGTCTGGACGGTGGTCTACCGACAGCCGGGGACCGCGGCCATGGGAGGGCTCGCAGGGGTGCTGGCA
CTGTGGGTCCTGGTGACGCACGTGATGTACATGCAAGATTATTGGAGGACCTGGCTCAAGGGGCTGCGCGG
CTTCTTCTTCGTGGGCGTCCTCTTCTCGGCCGTCTCCATCGCTGCCTTCTGCACCTTCCTCGTGCTGGCCA
TCACCCGGCATCAGAGCCTCACAGACCCCACCAGCTACTACCTCTCCAGCGTCTGGAGCTTCATTTCCTTC
AAGTGGGCCTTCCTGCTCAGCCTCTATGCCCACCGCTACCGGGCTGACTTTGCTGACATCAGCATCCTCAG

Table 6

CGATTTCTGACCCAGGGGGTGAGGTCTCTGCACCCTGGGGGGGCCTTAGGACCTGGACTCAGCCTCTGAGA
TGTTGGGAGAGGCTACTCCCACCCCCTGGTGACCCCAGAACTGTGGCAGAAAATACACAGCAGGACGAGTG
TGGTCTCCCAGGAAGCTGTCCTGCCCGTCCCCTTTCGAGGAAACCTGAGTGTGGTAGAGAGGGGATCCTGC
CATGTTGCTCCTCATCAGCCTGGCCAGAGGGCAGCTTTAGACCTTTTCAAATGAATCTGTTTTCTTTTCTT
TCTTTTTTTTTTCTTTTTTTTTTTTTTTTGAGATGGAGTCTTACTCTGTCACCCAGGCTGGAGTGCAGTAG
TGCGATCTCAGCTCACTGCAACCTCCGCCTCCCAGGTTCAAGCAATTCTCCTGCCTTGGCCTCTCAAGTAG
CTGGGATTACAGGCATCTGCCACCATGCCCGGCAAATTTTTGTGTTTTTAGTAGAGACAGGGTTTTGCCAT
GTTGGCCAGGCTGGTCTCGAACTCCTGATCTCAGGTGATTCACCCGCCTCAGCCTTCCAAAGTGCTGGGAT
TATAGGTGTGAGCCACCGTGCCCGGCCTGGATCTGTTTTCTTAGCACGCAGTGAGGAATCTTTGTACTTAA
GGCCAGGGCAACAAAGTCAAGAGGTCAAGGTGTAGGGCCATGAGGCCTGGACCTATGCTGCAGGCAAGGGT
TTCCATCCCCGCTGCCCTAGGCACTCTCTTCCCAAGGCCAGGTTGGGCACCTGGGGAGGTCAGTTCAGAAA
TATCTAGCAGAGACCTCTTAAACCCCCATCCCAGCACCCCATCCTGTTGTTCCCAGAGCTGGTCTCCCATG
AGTGTGCTAGAGCCAGATAGCCGTGGCCCCCCACCCATCTCACTCACACACACAGGCATCCATACACCCCA
GAAGACTTCCCAAATGAGGCCAGACTCAGGGTCACGGGGAATGTGCTTCTGCCCCTGTAAGGGCTTTGGGG
AAGGGGGCAACATAGTAGAGGCTGGAAAGAGCCCCCAAACCTGTGCCCATGCCCCTCCAGCCCTGCGTTTC
CATTCTGCCTTCTCAGAGTGCCCTTGCTGCACCCAGACCACCGGCCAGGAGAGACCTTCTCTCCCACTCCA
GCCCCTCTCACTGCCCTTCAACTAGAGCTTTCACCTTTTTACATTTCCCTTCTGAAGGACACAAATCTGCT
TTTCTGCCCATACACTGGCCCAAGGGCTCACCTAACTTGGGAGGGAAGGGGCTGTTGGTACAAGGATGATT
TTCTGTTAGACTGCCATTTTGCACGGTCTCCCCCTTCCCATCTGATGTGTCCTGCCCCTCAGCTCTTTGCC
TTATCTGTGTCACTGTCACTTTAGCAAAAATACAGCGGCCATTTGTATCAAAAAAAAAACCCGGGTTGCCC
CCCTTTTCGGGCGGGCACAGATTAATGGGAGGGCTGTTCCGCCCCCTTTAAGGGGATGCGCCCCTANNN

Table1 5273

CGTTCTACAGTCTCAATCGTGTATAGACTAATGAGAAAAAATGAAAATGAGTTTCATTAGACAGA
CCACTTTTGTTGGACTCAGTCTTGAGCTGATCAAATGAGGCAGCTGAACTGAGACTGAATCTTCCCTGTGA
TTAGCTCAACTCTTGAAGTAGCCAGGCACAAATTAGCTGGATGTAGTGGTGCGAGCCTGTAGTGCCAGCTA
CCCAGGAGGCTGAGAGGCAGGAGGATTGCTTCCGCTGAGGAGTTCGGGGCTGCAGTCCCCGCGTACCACAA
ACCATAGTAACTTACACAGGGGGAAAAGTTACTGAAATAAAAATGTTTTATAT

Table1 5274

NCTCCTCCGAATATCCTGGTCTGGTTCTCCAGTTCAGTGTTTCAGATTAAATCCCCTGACACAGT
AAAACTCATGTGCACTGACTTCTCCTCCGAATATCCTGCTTTGGTTTCTCCAGTTCAGTATTTCAAATTAA
ATCCCCTGACACAGTGAAACTCATGTGCACCGACTTCTCCTCTGCCCCAGATGGTGTAACCTGGGCTGGCC
AGACAGGCACCTCCCCAGTGGGCGTGTCTTCAGACAAAGGTGGCTTTGCTTTGTTGAAGTTACTGATATAA
AGATCAGCGCCTGAAACAGATTCTCCGGGATATTACCGGAGACGGAGTGTTTTATTATTAGCCTTTCTTAG
GTGGACATTTCCATTTGAATTACAAGTCCTTTAGGCTGGGCGTGGTGCATGGCTGTAATCTCAGCACCTTG
GGAGGCTGAGGCAGGAAGATCACTTGAGGCCAGGCGTTGGAGAGCAGCCTGGGCAAGGTGGCAAGAACCTT
GTCTCTACAAAAAAAAAAGCGTCTGCCATCATGGATGTTCTCGCAGAAGCAAATGGCACCTTTGCCTTAAA
CCTTTTGAAAACGCTGGGTAAAGACAACTCGAAGAATGTGTTTTTCTCACCCATGAGCATGTCCTGTGCCC
TGGCCATGGTCTACATGGGGGCAAAGGGAAACACCGCTGCACAGATGGCCCAGATACTTTCTTTCAATAAA
AGTGGCGGTGGTGGAGACATCCACCAGGGCTTCCAGTCTCTTCTCACCGAAGTGAACAAGACTGGCACGCA
GTACTGGCTTACGGGTGGCCAACAGGCTCTTGGGGGAAAAGTCTGGTGATTCCTCTCATCTTTAGAGATTC
GTGCAAAAATCTACCAAGCAGAGATGGAGGAGCTTGGACTTTATCAGCGCCGTACACAATCCCAGAAAACA
CTTAAACACCTGGGTAGCTCGACAAGACCGAAGGTCACACTGGCCGAGTAGACTCAACCGGGACCAGAGGA
TCCATGCACAGGCTGGTCGGTGAAGCGGCACTTCCAAGCGCACCGGGGGCTGTACCGATGGCAAGTGCAAA
ACGCAGGAAAACGGTCACGTCAGAACGAAGACGGGAAAACACTGGGCCAGACAGTTAACCCACCTACCTAG
AAGCGCCACATGTGGGAACATACCACCCCTCGGGGCCACCAATGGAGAAGCACGCAGCACCCCACGTGCAC
ACAACCCACGATAGAAGGCGCGCCAAACCCCCAAGCGACCCACCGACCGCCGCACCACAACAAGCGACCAC
AGTAAACCAATCACCGCGCCTGACGCGCGACGACANN

Table1 5275

NNNNNNNNCAGGTACATATTTTTTAAAACTGGTTAGCGATAGCTACATGACCCAATTATATTTTC
TATATTTATTTGATTATCAGCCAGTAAACTCATAATGAAGCAGCTGCGCACTCCCCCAACAATTGAGAATT
GAACAAATTTCCAGAGAGAAGTGAAAAATATCAAAAATTAAAATCCTAAACTTGAAGACAAGTTGAGAGAC
CATTTAGTCTGGCCACCTGTATCCAAGATTCATTTAAAACCAAGCAGCGGCCAGGCACGATGGCTCACGCC
TGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACGAGGCCAGGAGATCAAGACCATCCTGGCTA
ACACAGTGAAACCCTGTTTC

Table1 5276

NNGATCCCTGCGCGCGTCTCCTGCTCGGGTCAGTGCGCCGCGCTGCGCTGGGCGCCATGGCGCTC
CCCGGAGCCCGGGCTCGCGGCTGGGCGGCAGCAGCCAGAGCGGCCCAGAGGCGCCGCCGCGTGGAGAACGC
AGGAGGGTCCCCGAGTCCTGAGCCTGCGGGCCGGCGCGCGGCGCTTTACGTACACTGGCCTTACTGCGAGA
AGCGCTGCAGTTACTGCAACTTCAACAAGTACATCCCTCGCCGCCTGGAGGAGGCTGCCATGCAGAAGTGT
CTGGTGACCGAAGCTCAGACGCTGCTGCGGCTCAGCGGGGTGCAACGGGTGGAGTCTGTGTTCTTTGGTGG
GGGGACCCCCAGTCTAGCCAGTCCCCACACGGTGGCTGCTGTCCTGGAGGCTGTGGCACAGACAGCCCACC
TGCCTGCAGACTCGGAAGTCACATTGGAGGCTAATCCTACTTCAGCTCCGGGCTCCAGACTGGCAGAGTTC
GGGGCAGCAGGGGTTAACAGGTTGTCTATAGGCCTCCAGTCCCTAGATGACACTGAGCTCCGGCTGTTGGG
ACGGACGCACTCGGCCTGCGATGCTCTGCGGACGCTGGCAGAGGCCCGGCGCCTCTTTCCCGGGCGCGTGT

Table 6
956/3331

CTGTAGACTTGATGCTGGGGCTGCCGGCACAGCAGGTGGGGCCGTGGCTTGGGCAGCTGCAGGAACTGCTG
CACCACTGTGATGACCACCTCTCCCTCTACCAGCTGTCCCTGGAGCGGGGCACCGCACTCTTCGCCCAGGT
GCAGCGGGGTGCCCTTCCAGCCCCTGACCCGGAGCTCGCAGCTGAGATGTACCAGAGGGGCCGGGCTGTCC
TTCGGGAGGCTGGCTTCCACCAGTATGAGGTCTCCAACTTTGCCCGGAATGGGGCGCTCAGTACCCACAAT
TGGACTTACTGGCAGTGTGGTCAGTACCTTGGCGTTGGGCCTGGGGCCCATGGACGATTTATGCCCCAGGG
GGCTGGAGGCCACACCCGGGAGGCTCGGATCCAGACACTGGAGCCTGACAACTGGATGAAGGAGGTGATGC
TGTTTGGCCATGGCACCCGGAAGCGTGTCCCCCTGGGCAGGCTGGAGCTGCTGGAGGAAGTTTTGGCCCTG
GGGCTACGCACCGATGTGGGGATCACTCACCAGCACTGGCAGCAGTTTGAGCCCCAGCTGACCCTGTGGGA
TGTGTTTGGAGCGAACAAGGAGGTGCAGGAGCTGCTGGAGCGGGGCCTACTGCAGCTGGATCACAGGGGTC
TTCGGTGTTCCTGGGAGGGTCTGGCTGTGCTGGACTCTCTCTTGCTGACCCTCCTGCCTCAGCTCCAAGAA
GCCTGGCAGCAGAGAACCCCCTCCCCTGTGCCAGGAGGATGACAAAAATGTTCCTGTGTTCCAGGGTAATG
CCAGGTGGGTTTTGAGAGCTGGGTCGGTACTGCAGACATCTCTTCTCCGTTGTCGGGTGCCGTCTCTGCTC
CTTGTGGTTATTGCTCAGCCCTGGCATCCCCAGGGGAATGGCAGCAGTGAGGTAGATGGGAGGACATTTCT
GGTCAGGGAACTGGCATCCCATTCAGCATCTCAGGACTCACAGGCCAACATGTGTTCCATGGCTGGGAATT
GCCTACCACCCACATCAGCTTCTGTTTACCTTTTTGGCATCAAATAATGAACAGTGTTTGGAAATCTTTCT
ACAGGCAATTACCTCCCCAAGAGAAGCCTTCCTTATTTTGGAGTAAGGTCCTAAGATAGCTGGATGAATCA
GGAAAACCATGTCCCCTCTAGGTATTATTAATATAAGCAGGAAGGGATCTACTATAGGAATGAAGTATTTA
TAAACCACTGAAAGGGATAGAGAAGTGAACATTGGAGAAAGCCAGTAGCAACTGTGAGAAATCAGCAACTT
GCAGGAGGCACAGAAAACTCCTGCTGATGGTCTCAGCTTCCAGCAGCACAAAAGCAGATGATGTACTGGAA
AATGCTCAGAAGATGCTACAAAACCTCATGCCTACTGTCTGCCACTGCTGGAGAAGGAATCATGGTTTCTA
GAAGTGCCTCTCATTAGTGGACTTTAAAGCAAATCCTGGCTGGCAGGAAATTCTGAGGAATATAGCTCTTA
GGCTTCCAGCCTCTACCATGCAGGAGAGAACACAGAAGGACTGATGTATGTTGGTGGATCCATGTATGTGT
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AACCAGAATATGTTTGGGGTGGTAGGAGCCACACAGACTCTTCTGAGCCCCCTCACTCACTTCCTTCCCCC
TGTGCCTTTCCTTTGAGAGTGAAGGTGGGTGGAGTTGACCAGAGAAAGGGGAGAGAATTCGGGAAAGACCC
AAAGTGTTTGTAATTCTTCTTTGTCCTTTTACCTACAGAAATGGTCACATGGTTCTATTTAAATAGCCTAA
TAAACACATCTGGAGCCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGTCGTATCGATGN

Table1 5277

TTGTATTCTCCTGTGCTCTCTTTGCGCCTTTGGTCTGTCTGTTTCCGCTCTTTGGCCCGCCCGTG
TTGTACCTGCGCCTGGCCGATGCCACTCTGGTTTACCTCCTCTTTCCTTTCCCCGTCCTTTCCCCCTTTCC
CTTTGTTTCCCCAACCCCTGGGTGATAATGTATTCCCTCTTGGCCATTGAAGATCTTCGTATCATGCATGT
TTAGGACCCTATCCGACTCTCGAGTCTCTTCAAATCCTTCAAATTGGCACCGATCTGCCGGCTGTCATGAT
CTCCAGCATACTGCCAGCTCGTGGATGGAGAATGCTAGATTCGTCGACTTTCCCTGCATTGTCTGAGCCAG
AGTCTCATACGTCTCTCTCAGGCAGTCCATTCTGTCTTCCGAGTGTCAAGGCCACACCAGGGAGGCTATAT
GCACAGTGCTTAGCATTTCAGTGTCAACCGTCTGTGCACGAGAAGGGTCAGTCATAGATAAATACTGATCT
AACACGCCTGAGGTACAACATCTTGTACTGTAGTTCTCCTTTCCTCATCAGGGCTAAAACTGCTATTGTTG
CTCAAGTCTGAATCGCTGTGAATATAGTGAAGAGTGGAGTCCATATTCCTCACACTCCAGAGTCCAGATAA
TGTCACTGGCCCTCCGCAACATGGCCTCAAGTCCCGATCTTCTGCTCAGAATACTGTGTTGCTTGCTGCAG
TGAAATGGTCCGATCAGAAACAAAGCACCTCTCAACAGCATCGCTGATTAAAGGCACAGAATCTTCTTGAT
TTATTTTACAATTTGGTAGCTCATTTATATCCAGTTCATCTTGCAAATCACTTCTCTTTTCTATACTGATG
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TCTGGATCATCAATGTGGGGCTCTAGATTTTCTATCATTTCTTCCAGTTCCTTTCTGGTGGCCATGGTGAT
GTTTGGAGAACTGGGCACAGGGCCCTCAGATTCTTCCTCTGGTCCCTCTGGGCTGGGTTTTCCCCCAGAGT
TCTGTTCAAGCTCTACGTCTAGATCTATTTCAGGAAGAGGAGTCCTCCAGAAATGGAAGGAGTTATACAAT
TCCTGATCTAAGAGAGCTGAATCTTGTGAAGTGGTGCCAACCTCTGGTCGTAACATAGATTTGTAGTTACC
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TGCCCACGCGTCCGCGGACGCGTGGGTCGACTCCCTATA

Table1 5278

NNNNCACTTGCGGCCCCGGGTTCCTCCCGGGGCTACGCGCGGCCCTGGCCCAGCGTTGGCTGCCG
AGGCTCGGCCGGAGCGTGGAGCCCGCGCCGCTGCCCCAGGACCGCGCCCGCGCCTTTGTCCGCCGCCGCCC
ACCGCCCGTCGCCCGCCGCCCATGGAGCGCGCCGCGCCGTCGCGCCGGGTCCCGCTTCCGCTGCTGCTGCT
CGGCGGCCTTGCGCTGCTGGCGGCCGGAGTGGACGCGGATGTCCTCCTGGAGGCCTGCTGTGCGGACGGAC
ACCGGATGGCCACTCATCAGAAGGACTGCTCGCTGCCATATGCTACGGAATCCAAAGAATGCAGGATGGTG
CAGGAGCAGTGCTGCCACAGCCAGCTGGAGGAGCTGCACTGTGCCACGGGCATCAGCCTGGCCAACGAGCA
GGACCGCTGTGCCACGCCCCACGGTGACAACGCCAGCCTGGAGGCCACATTTGTGAAGAGGTGCTGCCATT
GCTGTCTGCTGGGGAGGGCGGCCCAGGCCCAGGGCCAGAGCTGCGAGTACAGCCTCATGGTTGGCTACCAG
TGTGGACAGGTCTTCCGGGCATGCTGTGTCAAGAGCCAGGAGACCGGAGATTTGGATGTCGGGGGCCTCCA
AGAAACGGATAAGATCATTGAGGTTGAGGAGGAACAAGAGGACCCATATCTGAATGACCGCTGCCGAGGAG
GCGGGCCCTGCAAGCAGCAGTGCCGAGACACGGGTGACGAGGTGGTCTGCTCCTGCTTCGTGGGCTACCAG
CTGCTGTCTGATGGTGTCTCCTGTGAAGATGTCAATGAATGCATCACGGGCAGCCACAGCTGCCGGCTTGG
AGAATCCTGCATCAACACAGTGGGCTCTTTCCGCTGCCAGCGGGACAGCAGCTGCGGGACTGGCTATGAGC
TCACAGAGGACAATAGCTGCAAAGATATTGACGAGTGTGAGAGTGGTATTCATAACTGCCTCCCCGATTTT
ATCTGTCAGAATACTCTGGGATCCTTCCGCTGCCGACCCAAGCTACAGTGCAAGAGTGGCTTTATACAAGA
TGCTCTAGGCAACTGTATTGATATCAATGAGTGTTTGAGTATCAGTGCCCCGTGCCCTATCGGGCATACAT

Table 6
957/3331

GCATCAACACAGAGGGCTCCTACACGTGCCAGAAGAACGTGCCCAACTGTGGCCGTGGCTACCATCTCAAC
GAGGAGGGAACGCGCTGTGTTGATGTGGACGAGTGCGCGCCACCTGCTGAGCCCTGTGGGAAGGGACATCG
CTGCGTGAACTCTCCCGGCAGTTTCCGCTGCGAATGCAAGACGGGTTACTATTTTGACGGCATCAGCAGGA
TGTGTGTCGATGTCAACGAGTGCCAGCGCTACCCCGGGCGCCTGTGTGGCCACAAGTGCGAGAACACGCTG
GGCTCCTACCTCTGCAGCTGTTCCGTGGGCTTCCGGCTCTCTGTGGATGGCAGGTCATGTGAAGACATCAA
TGAGTGCAGCAGCAGCCCCTGTAGCCAGGAGTGTGCCAACGTCTACGGCTCCTACCAGTGTTACTGCCGGC
GAGGCTACCAGCTCAGCGATGTGGATGGAGTCACCTGTGAAGACATCGACGAGTGCGCCCTGCCCACCGGG
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CAGGCTGGCCCCCAATGGCCGCAACTGCCAAGACATTGATGAGTGTGTGACTGGCATCCACAACTGCTCCA
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TGTCACATGCGTGTTCGACCCCGTGCACACCATCTCCCACACCGTCATCTCGCTGCCTACCTTCCGCGAGT
TCACCCGCCCTGAAGAGATCATCTTCCTCCGGGCCATCACGCCACCGCATCCTGCCAGCCAGGCTAACATC
ATCTTCGACATCACGGAAGGGAACCTGCGGGACTCTTTTGACATCATCAAGCGTTACATGGACGGCATGAC
CGTGGGTGTCGTGCGCCAGGTGCGGCCCATCGTGGGCCCATTTCATGCCGTCCTGAAGCTGGAGATGAACT
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GCTAAGGGCCAAGGAAAGAAAGACATTTTTTAGGGGGCAGCCAGTCCAAATGCCAAAAGAAGACCAGTTCT
TGCCCTGATTGTATGAAATTTGACATTTTGGTGGGCACAAATTTTTGTGAAGAGGGGGGGAAAGGAGGGGG
ACATCCCAAAATGTGAAAGCGGGAGGAGAGCGTTGTAAACACGTGAATTGAGGGGTTAGGAGGAGGGCGCT
GGAATGGGAAAACTGNNN
Table1 5281
NCAGATGATGAAAGTAAGTCTTCTGTCTTCTTAGTAGAGGTATCTGCACTTGCGCAGCCCTCCAA
GGCGCCCTCTGGGGGGGGGGACTTCTCTTTCGGTAACCAGCTCCCTTGCGGATAGTCTATGTTCTCCATAT
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GCACTGCGTTTCCTGATTGACCTCTTTGGCGATTACTTCCGCCCAGGGGCCTGGAATACTGGAGGCCCTTC
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CATTGTTGCCGTCGTCTTTCCCCCCCCCAGTCCCGGGGATGGAGATGTCGGGACTCAGCTTTTCAGAGATGG
AGGGCTGCCGTAACCTACTTGGCCTACTGGACAACGACGAGATCATGGCCCTATGCGACACCGTCACCAAC
CGCCTGGTGCAGCCTCAGGACCGCCAAGATGCTGTTCATGCAATATTAGCATACAGTCAAAGTGCAGAAGA
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TCTTTGGGCAAGCCCAATTTACGCGGAAAACTACCTATATTGAACATTAGATCAGGGCACCAATTTTGGGG
CGACCCCGCGGGGAAGGCCGTACAAATTCTGGCGATCGCAGCATAAAAAAGTTGGCCTTCTTCGGANNNNN
N
Table1 5284
AGGGAGTCGACCCACGCGTCCGATCTTTGTCAGTGCACAAAATGGCGCCCTACAGCCTACTGGTG
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GGCGATGAGCCACTTTGAGCCCAACGAGTACATCCATTATGACCTGCTAGAGAAGAACATTAACATTGTTC
GCAAACGACTGAACCGGCCGCTGACACTCTCGGAGAAGATTGTGTATGGACACCTGGATGACCCCGCCAGC
CAGGAAATTGAGCGAGGCAAGTCGTACCTGCGGCTGCGGCCGGACCGTGTGGCCATGCAGGATGCGACGGC
CCAGATGGCCATGCTCCAGTTCATCAGCAGCGGGCTGTCCAAGGTGGCTGTGCCATCCACCATCCACTGTG
ACCATCTGATTGAAGCCCAGGTTGGGGGCGAGAAAGACCTGCGCCGGGCCAAGGACATCAACCAGGAAGTT
TATAATTTCCTGGCAACTGCAGGTGCCAAATATGGCGTGGGCTTCTGGAAGCCTGGATCTGGAATCATTCA

Table 6

CCAGATTATTCTGGAAAACTATGCGTACCCTGGTGTTCTTCTGATTGGCACTGACTCCCACACCCCCAATG
GTGGCGGCCTTGGGGGCATCTGCATTGGAGTTGGGGGTGCCGATGCTGTGGATGTCATGGCTGGGATCCCC
TGGGAGCTGAAGTGCCCCAAGGTGATTGGCGTGAAGCTGACGGGCTCTCTCTCCGGTTGGTCCTCACCCAA
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GGCCTGGTGTAGACTCCATCTCCTGCACTGGCATGGCGACAATCTGCAACATGGGTGCAGAAATTGGGGCC
ACCACTTCCGTGTTCCCTTACAACCACAGGATGAAGAAGTACCTGAGCAAGACCGGCCGGGAAGACATTGC
CAATCTAGCTGATGAATTCAAGGATCACTTGGTGCCTGACCCTGGCTGCCATTATGACCAACTAATTGAAA
TTAACCTCAGTGAGCTGAAGCCACACATCAATGGGCCCTTCACCCCTGACCTGGCTCACCCTGTGGCAGAA
GTGGGCAAGGTGGCAGAGAAGGAAGGATGGCCTCTGGACATCCGAGTGGGTCTAATTGGTAGCTGCACCAA
TTCAAGCTATGAAGATATGGGGCGCTCAGCAGCTGTGGCCAAGCAGGCACTGGCCCATGGCCTCAAGTGCA
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CAAACCCCGAGACCCATGCCTTTGTCACGTCCCCAGAGATTGTCACAGCCCTGGCCATTGCGGGAACCCTC
AAGTTCAACCCAGAGACCGACTACCTGACGGGCACGGATGGCAAGAAGTTCAGGCTGGAGGCTCCGGATGC
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TTGAAAACGGCAAGGCCAACTCCGTGCGCAATGCCGTCACTCAGGAGTTTGGCCCCGTCCCTGACACTGCC
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ACGAGACCAACCTGAAGAAACAGGGCCTGCTGCCTCTGACCTTCGCTGACCCGGCTGACTACAACAAGATT
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CAAGCACCCCAACGGGACCCAGGAGACCATCCTCCTGAACCACACCTTCAACGAGACGCAGATTGAGTGGT
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CTGGCGTCAAGTTCAGCTCCACGTGTGCCATCAGTGGATCCGATCCGTCCAGCCATGGCTTCCTATTCCAA
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CGTGGGGCAGAGAGAGGGCGAGGAGAGGGCGGGGCCTCCTCCTTTCACAGGAGCAGAGCGGTTCCCCCGCC
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AGTGCTGGCAGGAACGTGGCGCTGTCTCAGGTTCTTCCTCCCCTGCATTCCTCAGCAGCTGCCCTCACTGG
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AGACGCAGCTGAGCCTCTCACCTGGCAGTGCCTGACTCAGGAGGTGATGTCTGGGCCATGAGCCACAGAGC
CTGGTGTCCCCGGACGCGTG

Table1 5286

ACCTGCCTGCTGGACCCCTCCACCTGGAGGCCAGCCCATGTCTCAGGCCCAGCCCTAGCCTCTTC
TCCTCAAATTCTAAGTGTTTTCTCTTTAGGTTTCCCTGGCTTTGTGAATGGATCATGTGTCTCTAGGTATA
AACCTGACATCATCTTTCCACCCGGCTTACCTCCACCAGATCTCCCCAGTTCTGTCTCCATCTTCTACCTG
CAGCTGCTCTGTTCTCATGGTCACTGCTGCATCACTGAGTCTGGACCCTTGTTATCATTTTCAAACTGGCC
TCCACGCCCTGCTCCCTCCTCCACCTCCCCATCCTCTTGTCTCCCCTCCCCTCTGAATCCAGCCCAGCGGG
GCTTCTCCTGCCTCCATCACATCACAGAAGTCC

Table1 5287

ACTCCTCCATGGCGCTGGCGTCTGGCCGCGCAGTCAGGCCACGCCCCCAGCGTAGACGCACACCG
GCGTCGGAGCTTTCCGCCTATTACCGGGCAGCGATTGGGTCGCTATACCGCATGTCACGCCAAGGACGCAC

Table 6

TCTCATTGGCCAATCGAGTTTCTGCCATTTGTTCATTGCCTCCTGAGCGTATTCCAGTTACTTTCAGGCTC
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TCTCCCACCCGGCAGTCATGGGGACGCTGGATGAGCCCATTTCTGAAGTGCGGAGGGGCCGGGCTTCTTAG
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GGTGGGAGTTGCGATGATATTGCCACCTACCTCTTACATCTTTTAGTGCGTATGTTCTGTCCACCCAGCTA
CTGGTTCATTTGAGTAGATCGGAGTCAGATGAGTACATGTTTACGGGAGGCGCTTGGTTACGGGATCCAGA
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AGAAGCTTAAGTCCATGGTAGGCCCATGGCATGGGAGCAGGGGGTGAGAGGGGCACATGGGAGTCCCAGAG
GACAACATCATTATAACCATTATAAGGGATCACAGGTCGGGCCCAGGTGGGCCAAGCGCAAGACACACAAC
GANNN
Table1 5288
CGTccgcCCACGCGTCCgggaGGCAGCGTTTTCTgggcTTCTGTCTGGTTCTCTCTCTCCAGAAG
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CTCGTGCTCAGTGAGTTCTGGGGATGCCAGGAAATGGACCCTTTTCGCCCTCTTCTGTCCATACTTTTCAG
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gatacagcccccggcgagcgcacacacacacaccaCATGGCGggcagcatcaagcagGGAGCAcaacacac
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gcacaccaaagaccaatgaccacaagcaacaa

Table1 5297

AGGGAGTCGACCCACGCGTCCGGGCGCCTGTCGGACCCGCAGAGCTCTCGGACTTTCGGAAGCTC
TCGGTGTGGGTGCGACCCGAGAGAAGGAGCGGGGCTGGTGGGGCTGCTGCAGCCGTCACAGGAAATAAGTA
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CCAGCCGCCTAGCAGGCAAGTTAAGGTACATGGACAGCAGAGAAGATGAACAGATCCGAGGGATCACTATG
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GCGAACATGGGGTGTGGTTGCAAAGAGACTCGAGACACCGCGCAATCGCGCACGAGGCTCTACACTGCGTC
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Table1 5299

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GAAGCTCCATAAGAGAAATTGATAGGACTTCGTTTTTGATCAGTCTGAATAGATACCAATGTCATTGTGTG
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Table1 5300

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Table1 5301
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Table1 5302
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Table 6

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ATCACGGA

Table1 5304

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Table1 5305

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Table1 5307

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Table 6

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Table1 5308

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Table1 5310

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NNNNNNNNNNNNNN

Table1 5311

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Table 6

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Table1 5312
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Table1 5314
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Table 6

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Table1 5315
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Table1 5318
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AAAAAAAAAAAAAAAAAAAAAAAAAAAAagaaaagaAaAAAAAAAAa
Table1 5319
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ACTGATAGTATGTACNNNN

Table 6

Table1 5321

NNNNAGCCCACCTGCTATGAGTACATGGTTCGAAGCCACTATGTAACAGAAACACTCTCTGAAGA
AGAGGCTGGGTTCCCTTTAGCTTACACAGTGACCATCCACAAAGACTTCGGCACTTTTGAGAGGCCCTTCA
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CCAAGAACTGTTAACCACATAATTCCTACGTGANN

Table1 5322

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gccctgccttgaaaagcctgctgtg

Table1 5323

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Table1 5324

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Table1 5327

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GAACCTTAACCGCGACCCCGCCACGCGGCCTCCGCGCGCGCGCCGTATCTGGGGCGTGCGCAAAAGCGCCC
ACGCAGCGGCATCAGCCTTAGGCGTCAGCGTCTCGGCGACGCGCACCCGGACCCGACGCAGTCGCGCGATT
AAGAATCACGGCCGAGCGTCCGTCAGACGGCGCGGCCCAGCNNNNN

Table1 5328

NNNCGGCACCAGGGGCAGGACCTGGCCGCGTTTCCCGCAGAAAAGGAAAGCGAATGGAAAGGCTC
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ATGGCGGTGACGAATGGGAACAGGAGATCCGTCTAACTGAGCAAGCCGTCCAGCCATCAACAAGCTGAACC
CCAAACCCAAATTCTTCGTTCTGTGCGGCGACCTCATCCACGCCATGCCAGGTGTCAGAGTCGTGTTCTCA
GGCCACTACCACAGGAATGCCGGGGGTACCTACCAGAACCTCGACATGGTGGTGTCATCTGCCATTGGATG
CCAGCTGGGCAGAGACCCCCACGGGCTCCGAGTCGTGGTGGTCACCGCCGAGAAAATTGTTCACATCCACA
TTCTGGCTGTGTAGCCACTCCACAGATGGGTGGTCTCTTGGGATCAGAATGCCCCTCCACTCATGAGACTC
TTCATTTTGTCCACTTTGACAGGAAAAGTGGGAATGTATGCAGAGCTCTCAAAAGAAACAAAAAAGGCCAA
AACGGTGCCTTCAGCCACATCCTCTGAATTGGCCCTGACTTGGGACTAAATGCACTAATGCAAAATCCCTT
GACAAAAGCGCATAGGGTATTTCAAACCAGCATTGTTTTTTATGTAACCTGGTTTACCGCATCTTCTCAGG
CAGCTTCTGACCACTTGCTCAATTTTTCTTCCTTTTACAGCCATGTTCTTGGNGGGGNCAAATTACCNCGG
GGGACTTCCAANTCGGGGGGGGGGGNAAATTTTNCAGGCNTTTTTTGGNAACAGGCANN

Table1 5330

NNAAGGAAAAAGAGCAACAGATCCAGGAGCATTCACCTGCCCTGTCTCCAAACAGCCTTGTGCCT
CACCTACCCCCAACCTCCCAGAGGGAGCAGCTATTTAAGGGGAGCAGGATCCCCCGAGCTGCAGGACTTGG
CACGGGGATACAACTCTGGAGTCCTCTGAGAGAGCCACCAAGGAGGAGCAGGGGAGCGACGGCCGGGGCAG
AAGTTGAGACCACCCAGCAGAGGAGCTAGGCCAGTCCATCTGCATTTGTCACCCAAGAACTCTTACCATGA
AGACCCTCCTACTGTTGGCAGTGATCATGATCTTTGGCCTACTGCAGGCCCATGGGAATTTGGTGAATTTC
CACAGAATGATCAAGTTGACGACAGGAAAGGAAGCCGCACTCAGTTATGGCTTCTATGGCTGCCACTGTGG
CGTGGGTGGCAGAGGATCCCCCAAGGATGCAACGGATCGCTGCTGTGTCACTCATGACTGTTGCTACAAAC
GTCTGGAGAAACGTGGATGTGGCACCAAATTTCTGAGCTACAAGTTTAGCAACTCGGGGAGCAGAATCACC
TGTGCAAAACAGGACTCCTGCAGAAGTCAACTGTGTGAGTGTGATAAGGCTGCTGCCACCTGTTTTGCTAG
AAACAAGACGACCTACAATAAAAAGTACCAGTACTATTCCAATAAACACTGCAGAGGGAGCACCCCTCGTT
GCTGAGTCCCCTCTTCCCTGGAAACCTTCCACCCAGTGCTGAATTTCCCTCTCTCATACCCTCCCTCCCTA
CCCTAACCAAGTTCCTTGGCCATGCAGAAAGCATCCCTCACCCATCCTAGAGGCCAGGCAGGAGCCCTTCT
ATACCCACCCAGAATGAGACATCCAGCAGATTTCCAGCCTTCTACTGCTCTCCTCCACCTCAACTCCGTGC
TTAACCAAAGAAGCTGTACTCCGGGGGGTCTCTTCTGAATAAAGCAATTAGCAAATCATGTAAGAATAAAA
AACACAAGAAAGAAAAAAAGTTTTGGCCTAAATGAGTCGTATTACAGTTGACGCGGCCGGCGAATTTAGTA
GATGGTGTAATTCGACCCGAGAAATTCCGGAACCGGAACTCTGAGGGGTGACAAGTTTCCCCAAGAGCGGC
GGATTAAGGCTTGGGCGGACAAANNNNNNN

Table1 5331

ggGaTTAGAGCCACTACATAGAATAGTCTCTTACAGATTTTCATAAATACTAGTCACAATAAGGG
TATTTTTCTTGGGGGTGGAGTAAGGGGGAGACTGATGCTAGTCCTTGTTGTATTTTGTTGGGCTGTCCTTG
TGTATTTTCACCCCAGCCTGTAGTCCTCCTCACTTCAACCCCAGGGATTTGTGGGGAGCAAGGGTAGCCAA
TGGCAGAGGGGGTTGGGGCTGGGACTCTGGAGGCTCCTCCCCTTCTTTCTCTTCCTTCTGCCTCCCCCGTG
CCCCCAGCTGCTCTTGTCACTGTCTCTGATGGGTATTTGCCTGGCTTTGTTGCTTCTCTATCTGTATTTAG
CTGCAGTGATCCTTTAGCTGGTTGGCTCAGAAAAAAAAAAAAATGTGCTTTAGGTGCCCTGTAATCCTGGGC
ATCAAGGGAATCCATCCTTCCCCTTTTTGATATGTTCTCCCCGTACTTCCAGATTTATTGTTATGGCTCCC
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GTGTACCTGCCCTGCCCTCTGCTATGAAGGTCTCTGCCTTGTGGATCATGGGACTCCCCTTGGAGGATCTG
TGCAAAGGGGGGCTGGGCACAAAGGAGAATGTCCTATTTGGGAGGGCAGGAAGCAAAGGAACTGGACAGGG
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CGAAAAGGGACCCTGCTTCCAATTTCCCTCTTCCATTCCTCGAGCTACTCCAGGGCTTAGAAGAATGCTCT
TGGTCTGTGGGTCCAGTGTTGTCTGTCATCCATTTAAGTGTTCCCACTTTCAAGTGACAATCCTCTCCTTG
GCCCTGCCATAGGGCAGAGCATGTCTGGCATAGCAGCCTGACTTTTATGCCCTAATCTTGAGTTGAGGAAA

TATATGCACAGGAGTCAAAGAGATGTCTTTATATCTGACTGTATATAAATGAAGTTTTTTTGTTTTTTTTG
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Table1 5332
NNTACATGGTGGCCAATCAAACAGGCCACACCCTTGTTGCAAGTCCCGCGAGAGGTTCAGAGAAC
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GAAGCTGCGGACCCTCACGGTGATTCTAAGCACATTAAAATCTGGATGACACTTATCTGAATCATTTCGCA
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ACACAACAGAGTCCATAATTCTGAGAGGAAGAGAAGAGTGATCATCAGCAGCAAAAGGCAATTGCAGAGAA
GCACCACCAAGAGCCAGCTTCATGCTCAGGAGTGAATGCTGAGCCGCCTCCTCGTGGTTTCCGGTGCTCCA
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TGANNN
Table1 5333
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
CTGCACCCCTCCTCCTGGCCAGGGCAGCAAGCCTTAGCCTTGGCTTCTTGTTTCTGCTTTTTTTCTGGCTA
GACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTTCGGCATGGAGACCGAAGTCCCAT
TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
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CAGTTCCTCTTTCTGAAGATCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGAG
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GATGTACTACCGGAATGAGACGCAGCACGAGCCGTATCCCCTCATGCTACCTGGCTGCAGCCCCAGCTGTC
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AACAGCCATCAAGGTACTGAGGACAGTACAGATTAGTGTGCACAGAGATCTCTGTAGAAAGAGTAGCTGCC
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CATAGCAAATAAGTCATCTGATGAGAACAAGCTATTTGGGCACAACACATCAGGAAAGAGAGCACCACGTG
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ccgcggaaagaaaccacagaagcgcacactcgcgcctacagcgcacaaaaacaatagaaaagcgaaagaaa
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Table 6

agggaggggacacgaagagagagacggaggagtgagagggaggaagacgcaagaaggagacgagagagggg
aggaagaggagcggaggaaaagagcggcgagcggagcgagaagagacggggagagaggcgggagccgaaga
acaggtccgaagcgccgaggggagagagcgggggggaggagggcgagagaaaacggagagagggagaggcaga
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gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa

Table1 5335

NNNNCGNGCACGNGGGCGAGGGCACCTGTAATCCCAGCTACTAGGGAGGCTGAGNCAGAATTGCT
TGAACCCAGGAGGCAGAGGATGCAGTGAGCCGAGATCGCACTATTGCACTCCAGCCTGGGCAACAAGAGCA
AGACTCCATCTCAAACAACAACAAAAACCCAAAAGGGGACAGCAGTAGTGGGAGAGGCCAGCATCTGTACA
CCCCATCAGGGTCCCCGCTGTGTGTGCCCCTCAGGCGGCCACCAGCCCTACCAGGTCCTCCCCTCCCGGCA
CGTCTTCGCCTTGATCGTGTTCTCCTGCATCTATGGTGAGGGCTACAGCAATGCCCACGAGTCTAAGCAGA
TGTACTGCGTGTTCAACCGCAACGAGGATGCCTGCCGCTATGGCAGTGCCATCGGGGTGCTGGCCTTCCTG
GCCTCGGCCTTCTTCTTGGTGGTCGACGCGTATTTCCCCCAGATCAGCAACGCCACTGACCGCAAGTACTG
AGTTGACGCCCCAGGAGCTGAGCACCAGGCTTTGCATCCTTGGGAACTCAGCAAACGTTTGCTCAGCCAAT
TGCAGGTAGCATGGCCCAGGGCTTGATTGAGGTGGAGCGAAAGTTCCTTCCAGGGCCTGGCACAGAGGAGC
GGCTGCAGGAGTTGGGGGGCACCCTGGAGT

Table1 5336

NNGCAGGTCACGCGTCCGCCAGAGTCGGGCCGCAGGAGGTGTCGGTGCCGAGCGGGGTTTTTTTT
TTCTGCGGGTTGCCTTTTGTTTTTCCTTTGGAACCGCGGTTGTTCAAAAGCTTGACGGAACTTGGAAGGGG
ACTCCCACTCTCCTCCCTCTTTCCGCCGAGTTTGTGACTCCGAGATGGACAAAGTGTGTGCTGTTTTTGGA
GGCTCCCGAGGCATTGGCAGAGCTGTGGCCCAGTTAATGGCCCGGAAAGGCTACCGACTGGCGGTCATTGC
CAGAAACCTGGAAGGGGCCAAAGCCGCCGCCGGTGACCTCGGCGGAGATCATTTGGCATTTAGCTGTGATG
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TCATACTAACCTCTTGGGTTCCATGCTGACCTGTAAAGCTGCCATGAGGACTATGATTCAACAACAGGGAG
GGTCTATTGTTAATGTAGGAAGCATTGTTGGCTTAAAAGGCAACTCTGGCCAGTCCGTTTACAGTGCCAGT
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ACAGGGCATGTTCTGGTAGTGGATGGGGGATTACAACTCATTTTGTAATTTGCAGATTATTCAGTTATAGG
GGTGATTAGCATCAAGGGCACACTTTGGCTACTGATTAGACAATTATACCTACATGGGTAACATGTGCTAA
TCAAACCTGCTGATGCTACAAATGTTAATTTCTGTCTTTATAAAAATATGTCTCAAAAGAAANNNNNNNNN
NNNNNNNNNNNNNN

Table1 5337

AGCAGCAGGAAGAAGACGGACCCCGCGATGAGGGCGGCGGCAAGGAGCACCTTCATGTTGCGTTC
GGAGAGGCGCAGCATCCACAGGCCCCCCGTACTTCGGCCGCTTTTCCTCTCCGTGAGGACAGGGCAGTCTT
GGTGTGCAGCCCCTCTCCTCTCTGTCCCCTGACACTCCACAGTGTGCCTGCAACCCAAGTGGGCCTTATCC
GTGCAGTGGTGGCAGTTCAGAAATAAAGGGCCCATTTGTCAAAAAAAAAAAAAAAAAAAAAAAAAAATT
TGTGTGGGGGGGCGCGGGCCCCCGGAGAGAAAGACTTTTTTAGAGAACCTTGTGTGTTGGGGGGGGGGCC
CCCCAACAGGTTGCTAGGTGGAAACGCTGGGCACAACAGGCGAGGTGTCCCCCGGAGTGGAAACCCGGGGG
GCCAGAGCACCAAGCGGGCGCGGGGCAATCTCTCACACCCAATATAAAACAAGACGCGCCGCGGGGGGGAC
AAAACCAGCAAGGGCGCTTCGCTGAAAAACAATATCCCCAAGGAGGGAGACATCGCGGAAAGGACCAAAAA
AGAGGGGGACTCTCTACTCCAACAGAGGGAGGAGCCTCACCAGGCAGCAGAGCACCCGAATACTCCCAAAT
ATAACGCCCCCACGAGGTGGGAAN

Table1 5338

ACGCGGGGGTTGGAGAAAACTAAACAATTTGTTATAAAACATCCTTAAAAGCATCAGAAAGTTAA
TACAGCAATGAAGAATTACAGGACCAAATTAAGAATGCAACCAGGTTGCCAAGAACTGAGTGATGTGTCCA
CATCCCGGGAGAGAGAAGCCACCAGAAGCTGGAAGAGCTAAATCAGACTGCTCCCTAGAGCTTCAGAAGGA
GCCAGAACTGATGACTCCAAGATCTTAGCCCAGTGAAACTGATCTGGACTTCTGAACTATGAGAGATTCCA
TTCCTGTTGTTTGAAGCTACCACATTATTGAGAACTTGTTACAGTAGCCCGAGGACACTAACACAAATGGG
GCTCCGGGAAAATCCAGACTAAAGGTGTTGTGTTGGTTTGCAATCTCCTTGCTTAACTTTCTGATACTAGA
CATAAATAGATTGGTGAAAAATTTTGTGATTGAAGAAATGT

Table1 5339

ACACTTTTCACCCCACTTCCTCTGCCATCTTGGTCCTGCTGTCCTGAGGAGCTACCTGTGCACCC
TGCCTCCGGCTCTCCTGAGCAGAGAGATCCTGATGGCTGACTCAGAAGCACTCCCCTCCCTTGCTGGGGAC
CCAGTGGCTGTGGAAGCCTTGCTCCGGGCCGTGTTTGGGGTTGTTGGGGATGAGGCCATTCAGAAAGGAAC
CAGTGTCTCCCAGAAGGTCTGTGAGTGGAAGGAGCCTGAGGAGCTGAAGCAGCTGCTGGATTTGGAGCTGC
GGAGCCAGGGCGAGTCACAGAAGCAGATCCTGGAGCGGTGTCGGGCTGTGATTCGCTACAGTGTCAAGACT
GGTCACCCTCGGTTCTTCAACCAGCTCTTCTCTGGGTTGGATCCCCATGCTCTGGCCGGGCGCATTATCAC
TGAGAGCCTCAACACCAGCCAGTACACATATGAAATCGCCCCCGTGTTTGTGCTCATGGAAGAGGAGGTGC

Table 6

TGAGGAAACTGCGGGCCCTGGTGGGCTGGAGCTCTGGGGACGGAATCTTCTGCCCTGGTGGCTCCATCTCC
AACATGTATGCTGTAAATCTGGCCCGCTATCAGCGCTACCCGGATTGCAAGCAGAGGGGCCTCCGCACACT
GCCGCCCTGGCCCTATTCACATCGAAGGAGTGTCACTACTCCATCCAGAAGGGAGCTGCGCTTCTGGGACT
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CCTTTGACCCCCTGGAGGCAATTGCTGATGTGTGCCAGCCGTCATGGGCTATGGCTGCATGTGGATGGCTG
ACTCTGTGGCCTGGAATCCCACAAGCTTCTAGCAGCANGCCTGCAATGCTCTGCACTTCTTCTTCAGGATA
CCTNGAACTGCTNAAGCCTTGCCATGGGTCCAAGCCAGCTACCTTTTCAAGCAGGACAAGTCTACNATGTG
GCTNTGGACACNGGAGACAAGGTGGTCTGTGGCCCGCCNGNNNN

Table1 5340

CAAGCGCCATGGCCGCTGCCGCCCGAGCCCGGGTCGCGTACTTGCTGAGGCAACTGCAACGCGCA
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GGTGCTAAAAATGTGTGCTTGATGACAGACAAGAACCTCTCCAAGCTCCCTCCTGTGCAAGTAGCTATGGA
TTCCCTAGTGAAGAATGGCATCCCCTTTACGGTTTATGATAATGTGAGAGTGGAACCAACGGATTCAAGCT
TCATGGAAGCTATTGAGTTTGCCCAAAAGGGAGCTTTTGATGCCTATGTTGCTGTCGGTGGTGGCTCTACC
ATGGACACCTGTAAGGCTGCTAATCTGTATGCATCCAGCCCTCATTCTGATTTCCTAGATTATGTCAGTGC
CCCCATTGGCAAGGGAAAGCCTG

Table1 5341

ACGCGGGGGGAGTCCTTGCAGGGTGGCCTGGGTGACTGCTCACCAGCCCGGCCCTCCCCAGGGTT
CTGGGCCAGAGCCTCCCTGGCCGTTGGAGCGGGAGCTGTGGGTGGAACACTTCTGAATGGGAGATGCCTCG
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GTTCATTGCCACCGTCGACAATGCCTGGTGGGTAGGAGATGAGTTTTTTGCAGATGTCTGGAGAATATGTA
CCAACAACACGAATGGCACAGTCATCAATGACAGCTTTCAAGAGTACTCCACGCTGCAGGCGGTCCAGGCC
ACCATGATCCTCTCCACCATTCTCTGCTGCATCGCCTTCTTCATCTTCGTGCTCCAGCTCTTCCGCCTGAA
GCAGGGAGAGAGGTTGTCCTAACCTCCATCATCCAGCTAATGTCATGTCTGTGTGTCATGATTGCGGCTCC
ATTTATACAGACAGGCGTGAAGACATTCACGACAAAAACGCGAATTCTATCCGTGACAGAGAAGGCAGTAG
GCTACTCCTACATCCGGGTGGGTGGCTTCGCTGGCCCCTTCATCAGGGAGAGTACCCGATATGGGGAGGGC
AATAGAGTCCGGAGCGGGTGATCGCGAGGACGAATCACATCAGATACCATGGGATTAAACATAATGGGGGC
GTCAGCAAGTATGTCTTAAGCAACAAAGACAACGAAAGAGGGAGGAAAACCGGGAAAAAAAAAAAAAGTGCG
CGCCACAATTAAAACGGGGGGCCAGGAGAGGCAGCAACGCGGGTGGCACAAACGGCAGTAAGGGGTGAACG
GAACCCACCACGACGACACCACNNNNN

Table1 5343

ACGAAGATTTTATTATTCATAAAAACACTAGTTTATGCTTTGGGAAGAGCAGAGCAGAGGTTCAG
ATAACAACAAATGCTCTTTAAGGATGTAAAATGTGAACTTTGTTCACAGACCTCAGTGATGTGAGCACTGT
TGCTTAGGAGTAACAAGTTGCTAAAATGCAGAAGGGATGGGTAGTGTTTCTTGCTTCTCATGATGAATGTT
TCTGTATGTTAGTGACTTGCTGGGTAACTAGTAAGGTACGAACCATCCTGAAGCTCCGGGTGTCCCGGGTT
GTAACCAAGCTTTCCTATTCCCTCCGGCGCGCGGCTCCAAGCTCTCCAAGGAACTGCCCCCGCGT

Table1 5344

NCGTCCGGCGGCTGCGGCGACAGGGACCCCGTCGGGGGCAGCAGGAGCCCTGGTGCATCCCAGGC
CCCGGGGGGGAAGGCCGGGCCGTCGGAGGAGCGGAGGAGCCCGGGGGGGCTCCCGGGAAGCCGCGGGCGGAC
GGGGGAGGAGCCCGGGCGGAGCTGCGGGCGGGCGGCCCGCTAGGGGTGAATCGGGTGGAGTAGTGGTCGGG
TCCGGTTACTTCCCTTTAAAAAGACGGGAAAGGAGGAGTCCAGTGCTGGAGGGGCAGGGACGGCGGCGGCG
CAGCTCGGAACCCGCCAGGGTCCAGGGTCCAGGTTCCAGCGCCCGGCGGCCCAGCAGGCACCCCCCGAGCC
CAGCTCCACACACCGTTCCTGGATCTCCTCTCCCCAGGCGGAGCGTGCCCCTGCCCAGTCCAGTGACCTTC
GCCTGTTGGAGCCCTGGTTAATTTTTGCCCAGTCTGCCTGTTGTGGGGCTCCTCCCCTTTGGGGATATAAG
CCCGGCCTGGGGCTGCTCCGTTCTCTGCCTGGCCTGAGGCTCCCTGAGCCGCCTCCCCACCATCACCATGG
CCAAGGGCTTCTATATTTCCAAGTCCCTGGGCATCCTGGGGATCCTCCTGGGCGTGGCAGCCGTGTGCACA
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GACAGGGGCCTGTACGTTTTTAAGGGCTCCAGCACCGTCCGTTTCACCTGCAAGGAGGCCACTGACGTCAT
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CAACTGGAATGTCACTGAGTTCCACACCACGCCCAAGATGTCCACGTACTTGCTGGCCTTCATTGTCAGTG
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CACACCCTACCCACTCCCAAAATCAGACCAGATTGGCCTGCCAGACTTCAACGCCGGCGCCATGGAGAACT
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GAGGCTGTGAACAACCGGTCCATCCAACTCCCCACCACCGTGCGGGACATCATGAACCGCTGGACCCTGCA
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Table1 5345
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Table1 5346
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Table 6
973/3331

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Table1 5348
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NNNNNNNNNN

Table1 5349

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a

Table1 5350

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Table1 5351

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Table 6

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CTCANN
Table1 5352
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Table 6

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TGCTCTTGGCCAGGTTTGAAACGATGTTCAACCTCGCCACGTCAATGTCTCAGTAAAAGACACTATAGATA
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TTCAAGTCATGTCTTTATCCCCATATAATGGAGAATGTGCCACTTGGCTAATAATGTGTTTTCAAAACTAC
AAGTTCAGTGATGACAGGAAAGAGGGCTAAAGTAGTCCCACAGAGGCTGGTAGAAAAGGCGAATCACACTT
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GCACTTTCTTTCTTCTATCCTTTTTTTAACTCTTCATATTATGTTCAGATGATCATACTGTCAAGGTTTGT
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Table1 5353

aGTCGACCCACGCGTCCGCCAAACCGATAGGAAACGAGGCTGCCTCGCGGTGGCACCGCCACCCC
CCAACCGGGTTCCGAGCACCGGAGCTGGCTGCTGCTCCCTCTTTGGAGCAAAGTTTTATGCAAAGAGGGTG
TTTTTTGAAACTTTCGGTGCACGAAAAATAACTAAACATGGGCAAAGGAGATCCTAAGAAGCCGAGAGGCA
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AATACGAAAAGGATATTGCTGCATATCGAGCTAAAGGAAAGCCTGATGCAGCAAAAAAGGGAGTTGTCAAG
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cgtccccatctagcagaccgtgatgttctcccaaaggtagttagaacacacgtgcataactttgtgacatg
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Table1 5354

NNNNNNNNNACGCACAATTTCAGCTAAAACGTTTATTTCTCACTCAAAACTTATTTCCCCTCAAC
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Table 6

ATCAGGAAGTGGGCCAGGAAGGTCTGTTCCAGCTCACATCTCATCTGCATGCAGCACGGACCGGATGCGCC
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Table1 5357

NNAAGGAAAAAAGAGCAACAGATCCAGGAGCATTCACCTGCCCTGTCTCCAAACAGCCTTGTGCCT
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Table1 5361

CGTCCGCCCACGGCGCTTGCGCGGGTTGAGGGCGGTGGCTCAGGCTCCTGGAAAGGACCGTCCAC
CCCTCCGCGCTGGCGGTGTGGACGCGGAACTCAGCGGAGAAACGCGATTGAGAGCAGTGTGTGGATTACAC
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Table1 5362

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GCCACTGGAGGTCTTCCTCCTGTGAACCACAGCACATCTCTAGAGAACTTTTCTTTACTGGAATCTGCCCA
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Table1 5363

NCGAACCGGATCCTTGGGCGGGCAGTCATCACACCTGGGGATGTCATGCAGGCAAGATGGCGGAA
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Table 6

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Table1 5364

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CAAGGGAC

Table1 5366

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Table 6

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GGGCCCCCCAAAAAAAAAAAATTTTTTTCCCCCCCCAAAAAAAAAAAAAANNNNNNNNNNN
Table1 5371
NNNGTGGTGACGTCATCGGAGGCGTGGTCGTCCCCAAAACTGGGGGGGGAAAGGGAAAAAAAAAA
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Table1 5372
ACTATTTAATATATTTCTCCATGAACTTTTTGTGAAATTCAGATCGCAGTGTGTCATTTACAAAT
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Table1 5373
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CAACAATCACACACACCTGACACTGACCTGAAGCCTCTGGCCTGTCCTCGGAGGCAAAGACTGGGTAGACA
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TGAAAAAAAAAAAAAGAAAAAAAA
Table1 5374
NAGCGAATGCTTTTATACCACAGAGTATTTTTGCCCACGTGTTTAGAAGTTGTGTTTTGAAAACG
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Table 6
981/3331

AAAGTTGAATAAGATCAGAAAAATAGCTGAGCCCCGCTATGGGACTGGAAGTGAAGGGGCCTCCAGAACCT
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Table1 5377
ccaaatatacaaaaaattagctgggtgtggtggcgggcgcctgtaatcccagctactcgggaggc
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T
Table1 5378
NNNNGGCCCTCGAGGCCACGCGGGGAGGGTAGAGTGAGAAGCACCAGCAGGCAGTAACAGCCAAC
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NNNNNNNNNNNNNNNN
Table1 5381
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Table 6

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Table1 5382
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Table1 5384
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GCACTCTATCCGGCAGCGCGGCAAGTCATCACTCTCGCCCCCCACCACAACTGGCTACCACCACACACGCC
CCCGACAACCCAAAGAN
Table1 5385
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Table1 5386
GACGCGTGGGCACGCCCCGGAGCGGCCACAATCACAGCTCCGGGCATTGGGGGAACCCGAGCCGG
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Table 6
983/3331

TTACTATGAATGTGATGTCCTTCCTTTCATGGAAATTGGGTCTGTGGCCCATAAGTTTTACCTTTTAAACA
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Table1 5388

NNNNNCNANNTTTTNAAAANCNNNAAAGTTAACTGGTAAGTTTAGTCTTTTTGTCTTTTATTTCA
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Table1 5390

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Table 6
984/3331

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Table1 5391
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Table 6

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NN

Table1 5392

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Table1 5393

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Table1 5394
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Table 6

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Table1 5395

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Table1 5396

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TATCCCCTCATGCTACCTGGCTGCAGCCCCAGCTGTCCTCTGGAGAGGTTTGCTGAGCTGGTTGGCCCTGT
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AGTGTGCACAGAGATCTCTGTAGAAAGAGTAGCTGCCCTTTCTCAGGGCAGATGATGCTTTGAGAACATAC
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CTCAGGCAATTCCTACCTCTTCACCTGACCCTGCCCCCACTTGCCATAAAACTTAGCTAAGTTTTGTTTTG
TTTTTCAGCGTTAATGTAAAGGGGCAGCAGTGCCAAAATATAATCAGAGATAAAGCTTAGGTCAAAGTTCA
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Table 6
988/3331

AGCAGGATTAGATAAGGCTGTTCTTTAAATGTCTGAAATGGAACAGATTTCAAAAAAAAACCCCCACAATCT
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TGTTGACTCTAAAGTTGATTTAAGGCCAGGCATGGTGGTTTACGCCTATAATCCCAGCATTTTGGGAGTCC
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AATGTGTAAGTCTTTAATGCCGATATCTTCAGAAAACCTAAGCAAACTTACAGGTCCTGCTGAAACTGCCC
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TTTTGGTAGAGACAGTGTCTCACTATGTTGACCAGGCTGGTCTTGAACACACCAGgcctaaagTGATCCTC
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CTGCCCACCTCGGACTCCCAAAATGCTGGGATTATAGGCGTAAACCACCATGCCTGGCCTTAAATCAACTT
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TGTATTACATACATCAAATCTTTCTGTAAAGTTTGATTTTTGTTTCTTTAAAAGGAACATAAATGTTCCAG
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Table1 5398
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table1 5399
NNNNCCCGGGATCCGGTGGGTGGTGCAAATCAAAGAACCTGCTCCTCAGTGGATGTTGCCCTTTA
CTTTCTAGGCCTTGTCCGGGAAGTGTTACTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNCACGCGTCCGCCGGCCGCTGGGCCGCTGCCTGAGCCAGGGAGGCGCAGCGCGAGCTCCCA

Table 6
989/3331

CTTCGTCTTCATGGATTCCCAGCCCAGCTGCGTGGTGGTGACTGGTTTTGGGCCCTTCCGGCAGCACTTGG
TGAATTCCAGCTGGGAAGCAGTGAAGGAGCTCTCCAAGCTGGGCCTGGGGAATGAAACAGTGGTGCAGCTG
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Table1 5400
NCGAGGGTGCGATGGCGCGGACGCGGGACCGCGTACGCCCTGCTGCTTCTCCTGATCTGCTTTAA
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TGAAATTAAACTTGCAAAACTTCCTGATTTTGAATCTAGATATGTTCAAAATGGCACATACACTGTAAAGA
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Table 6
990/3331

AACGACAACTGTCCCACACTGATAGAGCCTGTGCAGACAATCTGTCACGATGCAGAGTATGTGAATGTTAC
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GGGAGAAGTGAAATTCAGTTCCTGATTTCAGACAATCAGGGTTTTAGTTGTCCTGAAAAGCAGGTCCTTAC
ACTCACAGTTTGTGAGTGTCTGCATGGCAGCGGCTGCAGGGAAGCACAGCATGACTCCTATGTGGGCCTGG
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TGCCATTGCGGAAAGGGCGCCAAAGGCTTTACCCCCATACCTGGCACCATAGAGATGCTGCATCCTTGGAA
TAATGAAGGAGCACCACCTGAAGACAAGGTGGTGCCATCATTTCTGCCAGTGGATCAAGGGGGCAGTCTAG
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Table1 5401

NNNNCCAGGGCTATTGGTTGAATGAGTAGGCTGATGGTTTCGATAATAACTAGTATGGGGATAAG
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Table1 5402

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Table1 5404

NNAAATCCTGTCCTGCAACCGATGCCTTTGTCCAGGAAAAAACGGCACAGTGATTTAATGGTAAG
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Table1 5406

CAAGGGTGTCGCCCCGCGTCCGCACTGGACTTGTAAACGAAAAGCTTCATAAGTCCCTCTTTGCT
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GAAAACTTTTGGGGGCTGGGTCTGTCCAGGAAAGTTTTAGGAGGACCTTCTGCAAGGTTAATGTGTGTGTG
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ACTGGGGAATTTATTGACTCATTTAGTTATTCTTTCTACTTTTATTTCCTTCTCTAACTGTTGGTCTTACT
AAAATGGTAATATTTGCTTCTTGCTTTTATGTTACTGGAAAATTAGGACATGTAAATGGATAAGTGCAATA
AAGTTTCCTAAATGCTTGAAAANNNNNNNNNNNNNNN

Table1 5407

GCATGCTGCAGACCCGTCAGGGCGATGTACGCGGGGCTCTTCCTTTCTCCGCCATCGTGGTGTGT
TCTTGACTCCGCTGCTCGCCATGTCTTCTCACAAGACTTTCAGGATTAAGCGATTCCTGGCCAAGAAACAA
AAGCAAAATCGTCCCATTCCCCAGTGGATTCGGATGAAAACTGGAAATAAAATCAGGTACAACTCCAAAAG
GAGACATTGGAGAAGAACCAAGCTGGGTcTATAAGGAATTGCACATGAGATGGCACACATaTTTATGCTGT
CTGAAGGTCACGATCATGTTACCATATCAAGCTGAAAATGTCACCACTATCTGGAcagttggtcatgtttt
attgggaatatatttttttcctctctgaatctattgtgaatgcgctggttggctgggttcagtaataaata
tgtgagacctttcatttgaaaaaataaaaataataataatttgca

Table1 5408

NNNCGACCCGTCCGTCCAGATAGCCGGCGCCTTCCTCTTCCCATCGCGCGGGTCCTAGCCACCGG
TGTCTCCTTCTACATCCGCCTCTGCGCCGGCTGCCACCCGCGCTCCCTCCGCCGCCGCCGCCTTGCTGCTG
CTCAAAGCTGCTGCCGCCCCTTGGGCTAAAAGGTTTTCAAATGGAACATTTTGATGCATCACTTAGTACCT
ATTTCAAGGCATTGCTAGGCCCTCGAGATACTAGAGTAAAAGGATGGTTTCTTCTGGACAATTATATACCC
ACATTTATCTGCTCTGTCATATATTTACTAATTGTATGGCTGGGACCAAAATACATGAGGAATAAACAGCC
ATTCTCTTGCCGGGGGATTTTAGTGGTGTATAACCTTGGACTCACACTGCTGTCTCTGTATATGTTCTGTG
AGTTAGTAACAGGAGTATGGGAAGGCAAATACAACTTCTTCTGTCAGGGCACACGCACCGCAGGAGAATCA
GATATGAAGATTATCCGTGTCCTCTGGTGGTACTACTTCTCCAAACTCATAGAATTTATGGACACTTTCTT

Table 6
992/3331

CTTCATCCTGCGCAAGAACAACCACCAGATCACGGTCCTGCACGTCTACCACCATGCCTCGATGCTGAACA
TCTGGTGGTTTGTGATGAACTGGGTCCCCTGCGGCCACTCTTATTTTGGTGCCACACTTAATAGCTTCATC
CACGTCCTCATGTACTCTTACTATGGTTTGTCGTCAGTCCCTTCCATGCGTCCATACCTCTGGTGGAAGAA
GTACATCACTCAGGGGCAGCTGCTTCAGTTTGTGCTGACAATCATCCAGACCAGCTGCGGGGTCATCTGGC
CGTGCACATTCCCTCTTGGTTGGTTGTATTTCCAGATTGGATACATGATTTCCCTGATTGCTCTCTTCACA
AACTTCTACATTCAGACCTACAACAAGAAAGGGGCCTCCCGAAGGAAAGACCACCTGAAGGACCACCAGAA
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GGGACCACCGGGGGGGGCCACACAACGCCGTCAGGCCCCCAAGAAAACCCCAGACCCCACACACCACACGG
CACGACGCAGGCCCCACACCCCCACGACCCACCTCCCCCCGACACCACCCCTCGCTCCCCGCCCACGACCA
CTACCGAACCCACCGACCGCCACCGCCACCCCTACCACCACCCGCACACACAACCAACACCACCCACCACC
GACGCCAGCGACACCCANN

Table1 5409

NNNAACTGACCTGCATGCCCAGGACACAAGTAAAACATTTGTGAGATAGTGGTGGTAAGTGATGC
ACTCGTGTTAAGTCAAAGGCTATAAGAAACACTGTGAAAAGTTCATATTCATCCATTGTGATTCTTTCCCC
ACGTCTTGCATGTATTACTGGATTCCCACAGTAATATAGACTGTGCATGGTGTGTATATTTCATTGCGATT
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ACCAGGAGACTACTCCTGTGACTGTGGAGCTCTGGAAGGCTTGGTGGGAGTGAATTTGCCCACACCTTACA
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GGTTACGACAATTCTTTACCGGCTTTCCTCCAATTTAAGCATGGAATGAGACCCTGGCCAGGTCCGGTAAA
CGGGCACTCCCCGGCACAACACGGAACAAGCAGGGTCCAGGTTGCACNN

Table1 5411

NCATGGTACGCGGGGTAACCACCTGGGAAAACTTCACAGAAAATGAGAGTTTCAGATACTGAGAA
TAGAACCACTAAGAAGCAGAAAAGAGAAGATATTCTCGTGGGGGAGAACAACGGCTGGGAGGGGAGGAAGC
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TTAAGACCACAGAACATCTGCATAGGCTGTAAATTTCGTTGAATGATGGATGCAAAGATGGAAGACAGATG
GATAGAGGAAAAGACAGAATCAGATACTGGATGAGTTAGTACCTGCCCGGGCGGCCGCT

Table1 5413

NNNNNCTGGCTAAAGAGTTACTGGGCGGCGTCGGGCCCGGAGCTGCCAGGCGGGAGCGGCGTAGG
CGCGGGGTCGCCGGCCAGCGTGAACCGGGACATGGAGCCGCCCGGCGGGAGCCTGGGGCCCGGCCGCGGGA
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TGGAGTCCCTTCGTGTGTCTCTCAACAACAACCCTGTCAGTTGGGTGCAAACATTTGGTGCTGAAGGCTTG
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GAACAAGCATGAGATCATTCGCTGCTTGAAAGCTTTTATGAACAACAAGTTTGGAATCAAGACCATGTTGG
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CCACCTCCACCACCTCCTTTACCTGGAGGTACTGCTATCTCTCCACCCCCTCCTTTGTCTGGGGATGCTAC
CATCCCTCCACCCCCTCCTTTGCCTGAGGGTGTTGGCATCCCTTCACCCTCTTCTTTGCCTGGAGGTACTG
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GCCTCGCCTCAATGCCATTCTCTTCAAGCTACAATTCAGCGAGCAAGTGGAGAATATCAAGCCAGAGATTG
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GAAAACTTGCAAAAGAACCTAGATCAGATGAAGAAACAAATTTCTGATGTGGAACGTGATGTTCAGAATTT
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GCCTGAATTTAAGGGTTTCCCTAGGGTATTTGGGGATGGGCCCTGGGGGTCTGCCCGAAAATGGGGGTACT
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Table1 5414

ATAGGGGAGTCGACCCACGCGTCCGCAGGAGCAGGAGCTGTTACCCTTCTAATCCCCACAATGAC
CCCAGCCTAATAATACAATGATCCCCAAGTAGAACCAGGGGCCCAAGGCCCCCTCGTCAGCTGGGCTCCCA
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CAAGCCCTGTGAAGGAGTTTATAGCATCTGTGGATTTTGGTACCCACGGAGGTGCTGGAACCAATCGTTGA
GGATTCCAAGGACAACTCTATGATGCAGGCACACCTGTCCTAGGGGGGCATTGGAGGCTTCTAGGAGGTGG
CACGGTGCACGCCAAGATGGCTGTGTCCACAGAGGAGCTGGAGGCCACGGTTCAGGAAGTCCTGGGGAGAC
TGAAGAGCCACCAGTTTTTCCAGTCCACATGGGACACTGTTGCCTTCATTGTTTTCCTCACCTTCATGGGC
ACCGTGCTGCTCCTGCTGCTGCTGGTCGTCGCCCACTGCTGCTGCTGCAGCTCCCCCGGGCCCCGCAGGGA
AAGCCCCAGGAAGGAAAGACCCAAGGGAGTGGATAACTTGGCCCTGG

Table1 5415

NNACCGGGGCCCCCCCTCGGAGGTACTTCTAGGATTAATTGACGCGGGGGGAGCGCGGCGGTGAT
GGCGGGGCCGGTGAAGGACCGCGAGGCCTTCCAGAGGCTCAACTTCCTGTACCAGGCCGCCCATTGTGTCC
TTGCCCAGGACCCCGAGAACCAGGCGCTGGCGAGGTTTTACTGCTACACTGAGAGGACCATTGCGAAGCGG
CTCGTCTTGCGGCGGGATCCCTCGGTGAAGAGGACTCTCTGTCGAGGCTGCTCTTCCCTCCTCGTCCCGGG
CCTCACCTGCACCCAGCGCCAGAGACGCTGCAGGGGACAGCGCTGGACCGTACAGACCTGCCTAACATGCC
AGCGCAGCCAACGCTTCCTCAATGATCCCGGGCATTTACTCTGGGGAGACAGGCCTGAGGCCCAGCTCGGG
AGCCAAGCAGATTCCAAACCACTACAACCCTTGCCAAACACAGCCCACTCCATTTCAGACCGCCTTCCTGA

Table 6

GGAGAAAATGCAGACTCAGGGTTCCAGTAACCAGTGATGGATTCACCCCATCTCCCAAATAAAGTTTACTT
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CGTTACCCAACTTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTGGCGTAATAGCGGGGTCCGN
Table1 5416
ACGCGGGGGGGAATGTAAGGGCCACTTCAGCAACAGAAAGGAGTGGTGGAGCGGCTTCTCATCAG
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TCCTCTTCAGAAATACCACTATCTTCCTGAAGTTTGATGGAGAACCTTGTGACCTGTCTTTGAATATAACC
TGGTATCTGAAAAGCGCTGATTGTTACAATGAAATCTATAACTTCAAGGCAGAAGAAGTAGAGTTGTATTT
GGAAAAACTTAAGGAAAAAAGAGGCTTGTCTGGGAAATATCAAACATCATCAAAATTGTTCCAGAACTGCA
GTGAACTCTTTAAAACACAGACCTTTTTCTGGAGANNNNNNN
Table1 5417
NNNCTCGCGATGAGCGCCTCGGTTTATTGGTGCTTTGTTTTTGGTGGCCTGTCTCGCTTTTGCTC
TTCGTTGGTGGTGTCATAAGTGCGTTTTTGGTTGTCCTGTGACTGTGCCTTCTGTCTCCCTCTTTTTTGGC
CGCTTCCTTCTGCAGGTTTCTTGCCCTGGTTCTTCGCGGGCACCTTGGCAGCCCTTAAGCGTGCTACACCC
GTGGCCGGGTTTTCCTGACTCATCCTCCGGGCCTCCTGGCCCCTTCGCTGCCATCCTCGCATAGGTCTTCT
TCAGCACGCTTCAGCTGTTTGTGCTGGGAGCTGGTGGCGCGGTGCAGGGCTCTTAAGAACGAACGGCTTGG
GCGCGGACTGGTATCCGGGGACTGTGACTTGCAGGGTCCGCCATGGAGCCAGAGCAGATGCTGGAGGGACA
AACGCAGGTTGCAGAAAATCCTCACTCTGAGTACGGTCTCACAGACAACGTTGAGAGAATAGTAGAAAATG
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TGTCTTTAACTTTGTTTTTAAAATGACCTTCAAAATAAACTGTCAAAACACCAAAAAAAAAAAAAAAACCT
CTTGGTCTGGTATGGCAATATTTCTGTTTGGATTGGTATGACATTCTTGCTCCGGTTCAANNNNNN
Table1 5418
NNACGCGTCCGGTCTGACACCAGCCTCCAACTTCATATTCCTTCCACAGGCAACTGTGCACTTGA
CCCAAGGTAAAATGAAAGGGCTGCCAATCACTCGGACTCCAGAAGGTGCCTGCCCTGAGAAGAGCTGGCAT
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AAGCGCATTGTGTTTTAATGAAGTATTTTTCAGGGTTCCAATGTTATTTTTTATAAATGCAGCATTTTAAT
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GAAAAAAAGCATAGGGCTGAGGCTCTGAAGACACAGCTTCCAGCCCTGGCTTTGTCTCCGAGGGGGAGTCA
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TCATCCAGCTCTTACACTGTAGGGCTTTCATTCCCTGCCAGCACCTGCTCTCCCCGTTCCTCCCCACCTCC
ACTGAGCTGCACACATCCCACAATGCCTGCCCCACAGCGATGTCCTCAGATGTCCTGGACAGCCACCGCAC
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TATAGCTGGAGGGAGGCGGTTCCAATTTCAGAGAGGGAGCTGGCTGGAGAGAAAGGTCTGGAGGTTGGCCC
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AACCGGGGTTTGGGCTGGGTTAAAGGGCAGGCTCCN
Table1 5421
NGTAGATGCCGCGANCTGGGTTCTTGGAAGCAGCCCCCTGTGCGGGCCTTCCGGGTCTCGCAGCC
TGAAGCCTGGATTCCAGCAGTGAATGCTAGACAGAAACCAAGCCATTAATGAGATGTTATTACTGTTTTGG
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CCTTGCTGGGCCAGGGAAACAAAGTTTACATTGTCCTGTAGCTTTAAAACCACAGCTGGGCAGGGTGAGAA
GCTAGATGCCCCTGCAGTTTGGCCCTGGAGCCAGGGCAGAGGAATGTAGGGCCTGCATGGAGAAGGGTTCT

Table 6

GCCCTGCCTGAGGAGGAGGACACAGCACAAGGGCACATTGCCCATGGCTGGGAACATGACCCAGCCTGAAA
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CATCCTTGCTGCAGCTTCTAACTGGTAAAAAGATCCAGGGATGGAGATGGGAAGGTTAGAAGGCGGCTTAC
CTCTGAGCAGAGCGGGGTCAGGCCGTGGCGCAAGGTGCTCTTAGTACCAGTTCGCCAAACTATGCGCTTTG
GTCCGTGGCTTGGGTTGGCCCTTAATGGGCAAATCCN

Table1 5423

NNACTACTATAGGGCGACTCCGAGCTGCGGCGGCCGAGGACGCGGGCACTCCTCTCTCTCTTCCT
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CCAGATCCCCGCAAGGACTGTTGGAGGAGAGTTAGCCCAAGTATAGGCTCTGCCCAGATGCCATCACATCC
CTGATACTGTGTATGCTTTGAAGCACCTTCCCTGAGAAGGGAAGAGGGGATCTTTGGACTAGGTTCTTGGC
TCCAGACCTGGAATCCACAAAAGCCAAACCAGCTCATTTCAACAAAGGAGCTCCGATGTGAGGGGCAAGGC
TGCCCCCTGCCCCAGGGCTCTTCAGAAAGCATCTGCATGTGAACACCATCATGCCTTTATAAAGGATCCTT
ATTAN

Table1 5425

NNNNNNNNNNNNNNGCTAGGAATGGGAAGAATTTCCAGTAGAGACAGGGTTTCACCATGTTGGCC
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GTAAGCCACCGCACCCAGCCAATATAGGACATATTTTAGTTATATAAGTTCATTCTGCTTTGTCCAGTAAA
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GTCAAGGGACAATTCTGTAAATAAATTGCATCTAAGTAGTTCCTTACTACTCACAACATGCTCTAATAGTG
TGAAGAAATTAATTCTTATCCCAAAGAATATACTTTTCCTAGTAATGATAGGCTTCATATAATTGGAATCT
AAGAATGCTTTAACAATTCTACCATCCCGCGTACC

Table1 5427

ACTTCAGGGGACTGTGGACGTCTGTCTTGATGGATTGGATGGCGAACTCGGGCCGGTAGGACCCG
CACCACACCTGGGCATAGTTGATGAAGAAGAGCTGCTCATGGGTGAGATCCAGGCCGGGCAGCTGCTGGTC
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AGAGGAGGGCTGCCCACATGCCCCTGGCTGCACTGTGCCTGGCCCCACGGCAGCCACTGTGCCTGGTCGCT
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GGAAGGTCCGGATGGCCGAGCCACAGGGGAAAACCAGCTGGGGCCCCTGTCCCAGGCACGGCAGTCCCCAC
CGAGGGGCGGAGGTCAGCATGGCCATGGCGGGGGTAGCACACCCCCCGGTGGAGGATGCTGGCCATCTGGA
GAGTCTCCCAGGCTGGGATCTGGGCTTCGCTGCTGTATTGGGCAGTGTTGTCGTCCCCATGTCACAGGCCG
TGGGAGGGAAGTGCCCAGTGCCAGGTGGAGTCAGGGTCATGGGCTGGAGTCCCTGGGTCCCCTCCTCCATG
CTGGGAGTCAGTGCCCCCAGACAGGGCCCCAGCCTGGCATTCAAAGCCTGCTCTGCCCCCACAGCTCCCTG
AGGACCTGGCCTCGGTGTCCCCACTGAAACCGTGAAGGGGTTGAATGGAGCGCCCCCAGGCCCCTTCCTGG
CTGCTTCTCCGCGGAGAGGGGAGGGCGTGTGTGATTGGAGGGGCGGCCGCTCACCATTGTCGTCAAAGCCG
TGCGTGATCTCGTGCCCGATCACCATCCCAACGCCTCCAAAGTTCAAGGCCTGTGGCTGCTCCTTGCTGAA
GAAGGGGGGCTGGAGGATCCCGGCAGGGAATACAATCTGGTTTCGGTTTGGGGAGTAGAACGCATTGACCA
CCGCCGCCCCGATGATCCAGAGATTTGGGTCCACCTTTTCCCGAAGCTTCCTGAGGCTCCGCTGGGCGCCC
ACCTTGAGGTTCTGCAGACTGTTCTCAAAGTACAGGTCCTCTGAGAAGTTCAGCTACGGGAGAGGGGCAGT
CACTGCCAGATGCTGGGGCCGGGCCCTCAGAGGAGCAAGGGGAGAGGTCCTGGGTGGTTGGGGAAGGACCT
CAAGCCTTGCCAGGCGTCCGCACGTGGACAGTCGGCTGTGGGCGCAGG

Table1 5429

NNGTCGCCATTGTGACCCGAGAATTTAATATACTTGTGCCCCGCGCGTGTTTTGTTAACCGTCCG
CCCGAGTGTCCCCTCAATTTCTACCCCTCGCCCCTTAACCCAAAGCTAAATCCACCATCTGGTATTCTCCC
CTAGAGCACCAGATGACCATCTGAAGCTGGACAAGTGTCTCTAACAATAAAACATTACTGTTTACAAAACA
AAAAGCACAAACATAATTATGGAATAAATAAAAAACAAGGGACAAACAGCCAACTGACTCTACCCACTTGG
TGAGAAGTGATATACTTCAACTATTTTTTTAATGCTTCTGAAAGTTTCTTGGCCCACAGAGGACTAGGGTG
CAATCATTCCCTGTGTTAGTGAGTTGGGTTTAATGCAGCTTCAAAATTAGGGTAAAGGGACTTGGTGAAAT
GTTTACATTAAATATTTCACTCCTACCCATTCTTCAGGAAAAAAGGTGAGCTCAGCAAGGCTGGATGCCAT
TAAGAGATATTTACTGTTTTCTTTTTCTATAGCTAAAAAAGCAAACTTTACACGAAGAAGCTCTTGATTAA
GGAAATTTCAATAGATTCATATTTATAAAATTTTAAACATTTGGCACAGCAAAATTTGGAAAAAATGGGGG

Table 6
996/3331

AGAAAAAATAGGTCTGGTTGTTGTCCCCCTTTTTCCACCTGCTGCTGGACAGTGATGAGATGCTCACAGAA
GAAAAAGGCCTGGCTTTGTACCAGGCTGGCGACAGGTGCTACCAGGAGTGGGCTGAGGGGAGAAAAACTAT
CTCCCACTCTTTTGGCCCAGGCAATGTCAACGACTTCCACATTCCCTGGCCCACTTCCTGAGCAACCCCAG
GTTCGGCTCTGTATAAGGACCCTCCCCTCCCAACCCCAACCCCAGAGTGCAGTGCAAATCAACCAACAATT
TACTGGTGGAATGGCAATCAAAGGAAACAGTTAAACACCAAACAATTTCTTAAAGCCAAAAAATATTTTTC
ATGGAGTTGAACATTTTTCGAGTGTGTTTTTTTCAAGTGTAAAAGCAGTGACATTTTGTTCAAACAGAAGC
AGCATCTAGGAATTCTGGCACTTGGGTTCTAGGGGGTTACAGGTATGCATCATGGATTCTTCTCCCTCGTA
TTTAAAAAGGCCTCGTGTTTCTATTCCTGAGTTCATACCAACACCTGCTAGCTCTCCCCCTCTAGCGGACAG
TGGGTGGCCAGCCAGCCTCCCTGGTTAGATTGGGCAATGCCAAGCAGACATCCCTCATTCACCTGCTGGGC
TTGCTTTCTGATTCAGAGGTAAGTCGAAGTGCAGAGAAAGAAACTTACAAAAGCACAACCACCAAAGGCAG
CCTGAACGGGGAGCCCTGTGCAGACTGAGTTGCTGGAGACTACCCTCTCAGTCCCATTCCTGGGGAAAGGT
AGGTCACTCATGGAATTTGAATCAAACATGGGGGAGGACACCTGCCAAGCAATAGTATGATGGACTCAAGT
CATCCCAGGCCATCTACTGTCTCCCTCACCTGCCCTAACCTTTTCTGAGTCCCTCCCTCTCTTGTGCAAGC
ACTGTAGTTTAAAAAGGAAAAAACACCCCCCACCATTAAAAGACAACCTTCAAATGTTACTCAGTATATAA
AGTTTGCTTAGGCTAAGGTGGAGTCAGAAATGTCTCTAATTGTAGACACCATCTCTGTGCCACCCTTCCTC
TCATCGGATATGGAGTGATTTCTTCTCTCGCTGCTGCGACGCAGATCTGAGCCACAGTCAGGTACCAATGT
ACACGACATAGGCACATGTGCAAACACAAAGAAGGTGGGCTGCTGCTTCTTTCTCTCTGCCCCTAGTCCAG
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GAAACAATTCCTCACTGCCTATAAACTGTAGTCTCATGTGGGATAGTCAATTGAACATGAGAATCAGAACA
ATCTGGGCAAATGGGTATGGCAAGAATGGGAACACCACAACAGGACAGATGCCAACTCTCATTCATGCCAG
GCCTTTTGGCATCTGGGTGCCTTCTGTGTCTTCTTTCCACCTCTTCCTTCAGTCTCAACATCCACTTGTAC
CCCCAGCTACCTCCCATGTTTCCAGGTATCATTGGCTCTTAACTCCCACAAGCCTGCCTTTTGGCTACCCA
TCCCAACAATATCAAGAGGGAATGACTAAGTATCAGCTAGAAACTTAGCCATGTCTCAACATTCCTGGATT
ATCTGAAAAGCTGTCGATGCCCTTTTACAGGTTTATGGTGACAGACCCGTATCATCTTAAAGTATGTTCAT
AGTTAAGGCTTGACTTAAGAAAATAAGAGAACCAGACATAATGGAAAGACCTCTTCAATAATGTTGTCATG
CCTCTCAGTGAACGTGCTCACAGTCACACTTGGTTTGGCTCCCCAAACCCACAATAGAAAAGGAAAAATGA
GTATTTTGTTTTTCATCTGTTTTGTATTTAAAGGCATTGGGTTACTTCCTCCTGCCCTCTTTTCTTCCCTG
AACAAGAGTTTACAACTCCTCATGGCTTCTTAATAGGTGAAGTAGGTGAAAAGTCTGAGAAGCTCACAGCA
GGGTTTGCCGTCCCAACTATGCAGCTGAGAGGTCGCCAGCTCCTGTGCCTTCCCAGCCCCACTATAATTGG
CAGTATGTTTGTTCATGTTTCCTGAAAACATTTTCTTTAAAAAGGAAAAGAAAAAAATGCCAAACAACACC
AACCAAAAAAAAAAAAAAAAAAAAAAGAAGGAAGAAGACAAAGAGCAACATCCAAACATTCCCCAAGCCCC
ACCCCAGTAAGTCTGAGATTATCTTATTCCTTCCCTGAAATAATTATAAAGAAGCATTTCAGGCAAAATAC
TTAGTATTAATGGTCTCTTACTGCTCAACCTCCCAACCATGCCCTTTTCCCTTTTATGTGTATCTCTTGGA
GTAAAATAAATTCATTAATGGCTTTCCACATACAAATACAATAGAAAAGAAAGAAGTCTGGAACCTGACTA
TCATGGGACCAAAAAGTATCTTGGCCCTTTGGGAGTTTCCTTGTCAGAAAGTATAAGCCTCAACAGGAAAT
AGAGGCTCCTTCTCCTTTGAGTTCAATACCCTCCCTGTGTCCTACTCACCAGGAAAATAAGTGTGTTCATA
TCCCACCTAATTTACAACAGAAGATAACCCCATCCCATCCCCAAAACATAAAAATACAAGTCTATGCCCAT
AGAACN
Table1 5430
ctaggttcgaggctggggttaaatcggccgaggtcagcctaggctataaggtgtattttatCAcc
tacagaccatatgcAGACTAAATACAACActtgtGCCTGATTCTGAATGGTATCTTATATCAAAAGGCTCC
CTTAATTTTAGCTcttgcTTCTCAAGCTTCTCTCTCAACTTATCAGAACTGCCTATAGTAACCAAAATGGA
TTCATGAAGAAAAAAATATATTTTAGGAAAACATGTGCAAAAAGCATCTAAGCATCTGTTAACATTAAAAC
CAGAAGGCAGTATGTGCTGCAGAGTACATAAGAAGAGGCTTTAAAATTTAGTAATTCACAACATCCACTTA
GAAGTATTATAGTAATCTTTTAAAGTAACACACCACAATGGTACACGCTCTTCTGCTGCTGTTTGTCTACT
TCCTCCTGCTTCCCCGCCGCCGCCGCCGCCATCATGAGGGAAATCGTGCACTTGCAGGCCGGGCAGTGCGG
CAACCAAATCGGCGCCAAGTTTTGGGAGGTGATCAGCGATGAGCACGGCATCGACCCCACGGGCACCTACC
ACGGGGACAGCGACCTGCAGCTGGAACGCATCAACGTGTACTACAATGAGGCCACCGGCGGCAAGTACGTG
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CTTCCGGCCGGACAACTTCGTTTTCGGTCAGAGTGGTGCTGGGAACAACTGGGCCAAGGGGCACTACACAG
AAGGCGCGGAGCTGGTGGACTCGGTGCTGGATGTTGTGAGAAAGGAGGCTGAGAGCTGTGACTGCCTGCAG
GGTTTCCAGCTGACCCACTCCCTGGGTGGGGGGACTGGGTCTGGGATGGGTACCCTCCTCATCAGCAAGAT
CCGGGAGGAGTACCCAGACAGGATCATGAACACGTTTAGTGTGGTGCCTTCGCCCAAAGTGTCAGACACAG
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GATAACGAAGCTCTCTACGACATTTGCTTCAGAACCCTAAAGCTGACCACGCCCACCTATGGTGACCTGAA
CCACCTGGTGTCTGCTACCATGAGTGGGGTCACCACCTGCCTGCGCTTCCCAGGCCAGCTCAATGCTGACC
TGCGGAAGCTGGCTGTGAACATGGTCCCGTTTCCCCGGCTGCACTTCTTCATGCCCGGCTTTGCCCCACTG
ACCAGCCGGGGCAGCCAGCAGTACCGGGCGCTGACCGTGCCCGAGCTCACCCAGCAGATGTTTGATGCCAA
GAACATGATGGCTGCCTGCGACCCCCGCCATGGCCGCTACCTGACGGTTGCCGCCGTGTTCAGGGGCCGCA
TGTCCATGAAGGAGGTGGATGAGCAAATGCTTAATGTCCAAAACAAAAACAGCAGCTATTTTGTTGAGTGG
ATCCCCAACAATGTGAAAACGGCTGTCTGTGACATCCCACCTCGGGGGCTAAAAATGTCCGCCACCTTCAT
TGGCAACAGCACGGCCATCCAGGAGCTGTTCAAGCGCATCTCCGAGCAGTTCACGGCCATGTTCCGGCGCA
AGGCCTTCCTGCACTGGTACACGGGCGAGGGCATGGACGAGATGGAGTTCACCGAGggcCGAGAGCAACAT
GAATGACCTGGTGTCCGAGTACCAGCAGTACCAGGATGCCcaCAGCGgaaggcaGGAGGGCCGAGTTCGAA

Table 6

GgcaGGAGGCTGAGGAGGAGGTGGCCTAGAGCCTTCAGTCACTGGGGAAAGCAGGGAAGCAGTGTGAACTC
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ctcATGGCTGGACAGaCACCACCagttaaagcattttcatcgtgaaaccccaaaaagaagagaagccgggt
ggagcccggtcccttgggatgtcttcccttgggtggggcgcacgagcttcccaccgctatcccccacgcct
tctcccgctttggtccctccccctgctggtctcgcctctcattggcccgagtgctcgcggcgcttaatctac
ggacgcctcaggtccttggagcccgccaggttgtgactacaccgcgtccgccgaggtggcggcaaaggccc
tgcgacgtgcgacgagtgcgcgcctgctcgcgtggtagcaatgcgagccccgtgtcctgttcgtggaggcg
gtggacctttcgatgggagcgccactacgcttacagcaagcttttacttgcgtgtactcgctgccgtttca
cgcttgtgacaagtgttcagtggtgttccaagtatcctggcgtatcgcggcggattgcaaaggtgttgggt
taccggcgtacggtctttggccttttgtcggggctctctctg

Table1 5431

NNNNNNNNNNACCAGACTCCGGGGTCCCTGTGGAAGGGCCACCCCCACCAGAGCCCGTATGCCAC
CAAGGCAGTCAACACCCAGCCGCAGATCAGCACCTCTCAANGTCATCACCACACCACGGTGGTGCAGCCCA
ACGGCATGCCTGCAACGGTGTACCCTGCTCCCATCCCCCCTCCTAGAGGCAACGGGGTCACCATGGGCATG
GTGGCTGGGACCACCATGGCCATGTCAGCAGGTACCCTGCTGACTGCTCACTCCCCAACTCCTGTCGCCCC
CCACCCGGTCACTGTGCCCACGTACCGGGCCCCAGGAACGCCCACTTACAGCTATGTGCCCCCTCAGTGGT
GATCACCTGCAAATGTTTGAGGACGGAGCTGTGCAGTCACATTATTGGGGATTCCACAGCTGGTGCTGCAG
GCCTTGCGCCTCCAACCAGGACTTTCTTCTTAATGCTCTCGACACTTAGCTAAACACGACTATATCCCGGC
CCAGCAGGCCCCAGCGCCGTTAGTCTCCAGCTGACTCTGTGGGTTGGTCTTAAAGCAAATTCTGTTTTGTG
GACTGCCTGGCAATTTTTTAGCTAACTGTAATGATAAAAAGGGAGTATTAATCTATTCTGAATCATATCTA
GTTGAATGCATGTTTAAAAAAACAAACACAAAAAGCTTGCTCAATCTACCTGCAGTGACTGATGCAAAACC
ATCATATGCAAAATCCAAAGGAATGGAAACGTATTTTACAACTTGTATCACTAATGCACTGTTGTAATGTA
TGCAAAGTCTTACAGTTATAAGTGTTAAAGTGAATTTCTTCATAGAGCATCTGAAATATCTTAGATGATTC
TTCAACCTTTTGGGGTTGATGTGGGTTGCCAGTTAGGGATGTGGACATTTTAGTTTTCAGCGACCTGTTTC
TTTGGCACTGACTGTCCTGGGAGGGAGTTGCGAGGTTTGGGAGAGAGTAGGGAAGCCACAGCTGCTTGGGT
GCAGCTGGTTCATGGACATCCCTTTGAGTTTAGGCTTGGTGGAGTCAGTGGAACAGGGACATGCTTAAAGC
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GCAGTTTCTCTGCTATCTAAATTTTCATTACAGTTCTCTTTAGAGAGATGATGTTTTTATATGTCTTTATTG
GAAAAGTCCTATGTAAAACTAAATTATTTTCCTGGGATGGAAGAAATGTGAAAGAGAAACAGCCATGCTTG
CAGGAGGTATTGTCCTCTGCTTTATTTAGCTTAGAAAATCATTCCTTTTTTTTTTTTTTCCTGGAGAAATG
TTTGAATCAGCTGAAAACAGGTAGGCATTGCTGTTTTTCCCCAACAAAGAAGGGCAAAGGTTTCAGCTGTA
TGTTATGAAGAAAGTGGTATATTTAAGAATGAGTTAAAAGGGAACAAAACTTTATTTAAAATTCCTCCAAT
TTCTTGTAGAAAGGCAGGGCCGTGGATATGTCTGGAAATGTAGAAACCTGTAGCTGCTTCTGGGATCACCC
ACCTGATGGTGGTGACTTGTCTGCTGAGGCCGGCTGGAGGGGACGCTTAGAGATGGGGCGAGGGGGAGGCC
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AGACAGCAGAGAGGGCCAGGCAGTGCTGGAGTGCGTTTGCTGGCAGGGTTTATTGTGGGAGAGGAATTTGA
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CCTGTATCCATGAGAGTGCATGTCGGTTCTCAGTGAGGGTCAGAGTGGGGGTGGGGGATGTAAGGCCTGGG
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TAGTAGGTTCTAACGGTTCCAGGGGTTCAGCTGACCAAGTAGCAGAGAAGTCTTTTTTCCCAATTGAGTGC
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CAGCTGTCAGATACGAAAGGTAGATATCAGGTAAGAATCTGGACTTAGGAAATAGTCACAAAACTGTCATA
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TCTGTTACAAAGCTTCATAATTTGTCCCGAAGCATATGGTGGAGCATTCTGAGAAATTTGCTTTTTGTGTG
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AAAGGACCTAGTTCATGTAAACATGGACATCATGATGGCTATTTAAAAAATATTTGTTCTACACCTTCTCC
CCTGAGGCTTGGGGAGTGTGTTCAGCCGCTGCAGTTTCTCTGCTCATGGAGGTCTTGTTTGGATCTGTGCT
GGCGGCTGAGCATTTAGTGTGAGCCAGTGACCCATGAACTTGCCGCTCTGTGAGGGCCAGAGTCAGGGCCA
GTCATGGTAATGGGCCTGAAGGCACTTCCAGAACCTTTTATGTCTCTCGTGAGCCATCTGTTAAGAACGTT
CTTCTTGGTGTGGTTTGTAGGCCTACCTGTCGCTATTCTGGGAAACCTTCTTGAGTGCTATGCAAATGTGT
TCACAGGCAATGGGGGTGGTCCTGAGCCTTGGGGTGGGCACCTGGTCAGTGAGTGTCTTGCCCTTCCCCAG
CTGGGCATACAGTACCTTGCTCTTTCTGGTGGCATCATCTGGCTGTGATGAATGAGGTCTAGGAAATAATT
TGCATGTGTCTTGGGGGACACAACAGTAACGAGAGGAAATACATTATTACAGCAACTTGCGACGTACTAAT
ACCTGTCAGTGTTGGCCCCCGTAAGGTATGTAAGGCACCTGTGAGTGCCAGTGAGTGCTGGTGAAAGGCCA

Table 6

ACATGTACTAGTTATGTAAGTATTGGTGTCTGCTTTAAAAAAGGAGACCCAGACTTCACCTGTCCTTTTTA
AACATTTGAGAACAGTGTTACTCTGAGCAGTTGGGCCACCTTCACCTTATCCGACAGCTGACTGTTGGATG
TGTCCATTGTCGCCAGTTTGGCTGTTGCCCGGACAGGACAGGACCTCCATTGGGCGCAGCAGCAGGTGGCA
GGGGTGTGGCTTGAGGTGGGTGGCAGCGTCTGGTCCTCCTCTCTGGTGCTTTCTGAGAGGGTCTCTAAAGC
AGAGTGTGGTTGGCCTGGGGGAAGGCAGAGCACGTATTTCTCCCCTCTAGTACCTCTGCATTTGTGAGTGT
TCCCTCTGGCTTTCTGAAGGGCAGCAGACTCTTGAGTATACTGCAGAGGACATGCTTTATCAGTAGGTCCT
GAGGGCTCCAGGGGCTCAACTGACCAAGTAACACAGAAGTTGGGGTATGTGGCCTATTTGGGTCGGAAACT
GCATGTTTCAGAAAGTTTGTCTCTTTTTCCTACTCATTATTTGAAGAAGAGAGAGCCTGTGGGGATAGCCT
TATCTTGGTCCACAGGACTGAAGTGAAGTCACTTGGGAAGGGGAGACAGAGGATGAGCGGCGTCTGTGTAG
GGACCCCCCCCCGGGCCTGCAGAAGGGTGGTGTGCTCCCAGGACTGGCATGACAGGTGTCTCCTCCTCACC
ACAGGCTGTGCCCATGAGTCCCTGTGCAGACCAGTGGGCAAGGCAGCTGGGCCCAAGGGGGGGGCCAGGAG
GCAAACGGGTAAAAAACGCGGAAAAAACGCGGTAAGGAAGANNNNN

Table1 5433

ACTTCACTGCTCTAAGTAGGTGCCCCACTTTGATAAAGTGCTGTCCCAGTCTGTGCTGTCCCAGT
CTGGAAGGGTCGCTACCCATGAACGTAGCAGCCATCCTGCTATTGGGTAAGTCATCTGCATGATGACTGTA
GCCTGTTCTGCCATGCTCTTATGAGTCCGAAGGGCAGCATATGCAGTTACTAACTGCTTCCCAGTCCAGGG
GGTCATTATCCATGAACATACCCATCCTGCTATTACTAACTGCTTCTCTATCAATAAAGACAAGCTCAGCT
CCATAGTTGGGGCCAAAAGCCTACTGGCATACTCAAGCACTCCGTGCACTGCTATAGGCCCTAAACTGAAA
CTATCTGTGGTCACATGCACATCTAGCCTAAATGGGCACCTCTGATCAACTACC

Table1 5436

ACGCGGGGGGGGGAAGCTGAGGGCTGAGACCAAGGGCTAAAGCTGGGAGACTGAAAAAATGCAGA
CCGCCGGGGCATTATTCATTTCTCCAGCTCTGATCCGCTGTTGTACCATTATTTTATGTTGTGCCAGTGAA
TCCGGTTGCCAGAAATAAGTCTGAATGTTTTCATGCATCTTTTTCTTAAATGCAAGAGCTTCTACTGACTC
TTAACAAGCATGCTTACCCAAATTTTGTTGCATGCTTTTAAGTAGCATTAGCTATGCACACTTGACATTTT
TAAATATCCCTTTCCTAGTGTACCAGCCTTCACAATAAAGGGGGTTATATTGTAAGCTTTTAGATGGTGCT
TAAGAATTCTTATCTTTTTAAATAGCAGTATTTTTTTTTTTAAGAATAAATTGTAAGGAGCAAATAAGGCA
GAATGCCACTCTACCCTCAGGTCAATTTTATGGTATATGAAAATGCCAGGGGTGTTTGTGCCACTTGCCAA
CTCGGGGGGGAGGAGGGGCTTTTCCCTTACTGGATACTTTTGTTATAGTTTGACTATGTCATTATGTTGTTT
AGAGAGCCTCCACAATGAGAAGTTGCCACTGCAGGGCTAACTCGCCTTCAGAAATAATCAGAATGATTCAA
GGGGTCAAACCACTTTCATCCCTTAAAATATAGGGACTAATATTTCTTTTTCTTTTTTTAAAAAAAAACAT
TTCTTCTGTGGCTTAGAAATGTGCCAGTGTGTTCAAAACATTTACACCAATTTCACCAGATTTAGGACCTA
TTAACCGGACTATTTGCATTCTTTTGTTATTTCACACCTTAGGTAAAGTGATAACACTGGTAAACTGTGAT
CATTATAAGACTGACTGAATGCTTTCTGATTCCAGGGAGGGATCCTAGCCN

Table1 5437

TCCGGTTTTATAATATCTTAAGGTGTATATTTTATTTTTTTTATTGGCTTAGTTGTTTTTTGTTT
TGTTTTGTTTGAGATGGAGTTTCACTGTTGCCCAGGCTGGGGTGCAATGGTGTGATCTTGGCTCACTGCAG
CCTCCACCTCCCGAGTTCAAATGATTCTCCTGCCTCAGCTTCCTGAGTAGCTGGGATTACAGGTGCATGCC
ACCATGCCCGGCTAATTTTTATATTTTTATTAGAGACGGGATTTCGCCATGTTAACCAGGCTGGTCTCGAA
CTCCTGACCTCAGGTGATCTGCCCGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCATGC
CTGGCCTTATTGGCTTAGTTTTTAAATTATCCTCCAAAAATTTTGGGCCTTTTTCTGTGGGGAAACAAGTG
AAGCTGCTCTTCAGCATAGACACTACCTTTATCCCATCATTTTAGTAAAAACTAGGTTTGTTTCACTTCTG
AGGTGTCTTATTAATGTACTTCATCTGAGAATTTGTTGATCTTAATGTTCGAGCTATATAAGAACTGCCAT
TAAAAAAAATGGGATAATAGATGATTTTATCAGTATACCTGTGGAATATGTACAAACTGGATCTATAGATA
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TAAATTCAGTAACGTACTTGAAAGGCAAATTTCAGTGCTTTTGTATGTTGGAGGAGGGCTTACTGATGCGT
GCTAAGACCGATTTCTGATTGAGGGATGAACCTTGGGCTCATTTTTTTCTTGTGAAGTCTCTTTCTAGAAA
ATTTTTTGGTTTTGTTCTTTTTAAAAAATACATACTTTTTTGAATGTATCATGTCTTCATTAACAACAGAA
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AATCCATTAGGTTACTCCTGCAGCATGCGCTTTTAGCTTCTCTCTTGACTGAGGATCAAATATCCCTTTGT
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AAAACAAATCTTGAGTAGCTCATGCCCGGCTCTTAGGAATTTTGTCTGTTTAAAAAAAACGGACAATTCGG
CGGACACGCTTAGGCAGTTCTGTCTTGCCCCTTGTAAGGAATCGGCCCAGGGGAATCACGCATATCNN

Table1 5438

ccggcgcggttgaggccttcggtggtgaACGAGTCTCCAGCACCATGTCTGGTTTGTCTGGCCCA

Table 6
999/3331

CCAGCCCGGCGCGGCCCTTTTCCGTTAGCGTTGCTGCTTTTGTTCCTGCTCGGCCCCAGATTGGTCCTTGC
CATCTCCTTCCATCTGCCCATTAACTCTCGCAAGTGCCTCCGTGAGGAGATTCACAAGGACCTGCTAGTGA
CTGGCGCGTACGAGATCTCCGACCAGTCTGGGGGCGCTGGCGGCCTGCGCAGCCACCTCAAGATCACAGAT
TCTGCTGGCCATATTCTCTACTCCAAAGAGGATGCAACCAAGGGGAAATTTGCCTTTACCACTGAAGATTA
TGACATGTTTGAAGTGTGTTTTGAGAGCAAGGGAACAGGGCGGATACCTGACCAACTCGTGATCCTAGACA
TGAAGCATGGAGTGGAGGCGAAAAATTACGAAGAGATTGCAAAAGTTGAGAAGCTCAAACCATTAGAGGTA
GAGCTGCGACGCCTAGAAGACCTTTCAGAATCTATTGTTAATGATTTTGCCTACATGAAGAAGAGAGAAGA
GGAGATGCGTGATACCAACGAGTCAACAAACACTCGGGTCCTATACTTCAGCATCTTTTCAATGTTCTGTC
TCATTGGACTAGCTACCTGGCAGGTCTTCTACCTGCGACGCTTTCTTCAAGGCCAAGAAATTGATTGAGTA
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AAGGCATCCTACCAACAGCACCATCAAGGCACGTTGGAGCTTTCTTGCCAGAACTGATCTCTTTTGGTGTG
GGAGGACATGGGGTACGCGGGGATTCCAGGCTCTTCTGTGCCTGTGGGACTACATTCTCTGTGCCGGGCTT
AGAGAACACGAAGAGGGAGCCATCTGCCACACTCTGGAGGCTGAAGCCTGCACCAGTGCTGCTCGCCTCAC
TGTGGTAGGTGGTGGTGATGGAAACTGCAGATCGGCCAGAGTGGTAGAAAAGTTGCTGCAGGGTTTTTCTG
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GGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGGTGACAGAGACTGCAGCTT
GACTGTAGTGAATTTGGAAATTATCTGTCTGGAAGCTCTGAGTTTATCTTGGGACCTCAAGAGGAGAGGAT
CACCCAACTCACAGCAATCAAACTCCAAATGGTGCTATAAACTGAACCACACATGGACACGTCAGTCTTCC
GAGGACCCTTAGATCAACCCCAGGAGGAGCCCTAGCTGCTGTTCCCCATTCGACGCCCCTTTCCAGCAGGA
AGTAGCCAGAAGACATCGTCGCCCAAACCTCTAACAGCAGTTAGTGCGGCATCTCCACAGGGGGGAATGTT
GTAGGAGTTATTGATAAATTATTTTAGGCAGATAGAGAGGAAAAGGGGTCCTTAGGAAGTTTTTGTTTTTT
AAAGCACGTCTGGAAAAGTTTCTTGTAAAGCTCCAGCTCTTAAAGCCAGGCCAGTTACCCGATATCCAAAT
GCCAGCCATTAGAAAGTGGGTCCACCCAAACATGGCGATTCCTGTGGACTTCTTGCCCTTTCCCCACATTC
CTGGATACATGGACACCCCGAAGTATCCCCACCTGTGTAGAAGATCATGGTGCCCTGCATTTGCATATTAA
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GAGCCTGTGCAAATCAGACACTGCCTCCTCCAGCCTCTGTATATATACCTAGCTGGTATCTGTGGCAGGTG
GGGTTCCCTCTCTTGGCTTTGGGGCCCCCCTTCCTCTGTCTCTGTACCTGCCCgggcggCCGCTCGACTCC
CTGCTCCTCTCCCTATATTACTGATTGCACTGAACAGCATGGTCCCCAATGTAGCCATGCAAATGAGAAAC
CCAGTGGCTCCTTGTGGT
Table1 5439
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table1 5442
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CCCGGCTCTTCACCGGCAGCCTCCTCCACTCCAGCAGCAGGCTCGGTTCATCCAGCCCCGGCCAACTTTAA
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Table1 5443
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Table 6
1000/3331

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Table1 5444
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